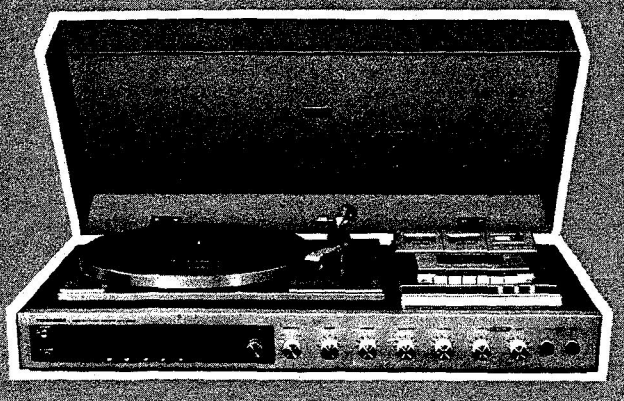
SERVICE DATA
FILE NO. 130-084
REVISED EDITION

TOSHIBA

STEREO RADIO, RECORD-PLAYER, CASSETTE

SM-3500



SPECIFICATIONS

RADIO

Type:	Combination of LW, MW, FM, FM-Stereo Radio
Frequency Range:	LW 150-380 kHz MW 525-1605 kHz FM 88-108 MHz FM-Stereo 88-108 MHz
Intermediate Frequency:	LW MW 455 kHz FM 10.7 MHz
Power Output:	r.m.s. Continuous 24 Watts at 1% Distortion (total)
Antennas:	LW, MW Ferrite Core Antenna FM Dipole Antenna

RECORD PLAYER

Type:	Belt Drive, Auto-return, Auto-cut
Motor:	4-pole Synchronous
Speed:	2 Speed (33-⅓, 45 r.p.m.)
Turntable:	30 cm Diameter
Cartridge:	C-29M (MM)
Stylus:	N-14D
Stylus Pressure:	4.0 g

CASSETTE RECORDER

Usable Tape:	Compact Cassette
Tape Speed:	4.8 cm/s
Recording System:	AC Bias
Erasing System:	AC Erase
Track System:	4 Track/2 Channel Stereophonic
Heads:	Record/Playback Head, Erase Head
Fast Forward & Rewind Time:	120 sec. (Max.)
Power Source:	220/240 V, 50 Hz (96 W)
Dimensions:	690 mm (W) x 170 mm (H) x 380 mm (D)

TABLE OF CONTENTS

1. OPERATING INSTRUCTIONS
1-1 FRONT VIEW 3
1-2 BACK VIEW 3
1-3 CASSETTE VIEW 4
2. DISASSEMBLY INSTRUCTIONS
2-1 PLAYER REMOVAL 4
2-2 CASSETTE REMOVAL 5
2-3 CABINET REMOVAL 5
2-4 FRONT PANEL REMOVAL 5
2-5 DIAL CORD STRINGING 6
2-6 STYLUS & CARTRIDGE REPLACEMENT 6
2-7 MISTAKEN ERASURE PROTECTION DEVICE 7
2-8 RECORD PLAYBACK HEAD ADJUSTMENT 7
2-9 PLAYBACK OPERATION (PLAY) 8
3. PARTS LOCATIONS 9
4. ALIGNMENT INSTRUCTIONS
4-1 LW ALIGNMENT 10
4-2 MW ALIGNMENT 11
4-3 FM ALIGNMENT 12
4-4 FM STEREO ALIGNMENT 13
5. PRINTED CIRCUIT BOARD DIAGRAMS
5-1 A F UNIT (TOP VIEW) 14
(BOTTOM VIEW) 15
5-2 RADIO UNIT (TOP VIEW) 16
(BOTTOM VIEW) 17
5-3 POWER SUPPLY UNIT (TOP VIEW) 18
(BOTTOM VIEW) 18
5-4 SWITCH UNIT (TOP VIEW) 19
(BOTTOM VIEW) 19
5-5 IF UNIT (TOP VIEW) 20
(BOTTOM VIEW) 20
5-6 LAMP UNIT (TOP VIEW) 21
(BOTTOM VIEW) 21
5-7 PHONO UNIT (PLAYER) 21
5-8 SWITCH UNIT (CASSETTE) (TOP VIEW) 22
(BOTTOM VIEW) 22
5-9 DOLBY UNIT (CASSETTE) (TOP VIEW) 23
(BOTTOM VIEW) 24
5-10 MAIN AMP. (TOP VIEW) 25
(BOTTOM VIEW) 26
5-11 PARTS CONNECTION 27
6. SCHEMATIC DIAGRAM
6-1 DOLBY BLOCK 28
6-2 CASSETTE BLOCK ..... 29 — 30
6-3 GENERAL ..... 31 — 32
7. EXPLODED VIEW MECHANISM
7-1 RECORD PLAYER 33
7-2 CASSETTE RECORDER (PANEL) 34
7-3 CASSETTE RECORDER (MECHANISM) 35
8. EXPLODED VIEW PARTS LIST
8-1 CASSETTE UNIT ..... 36 — 37
8-2 PLAYER UNIT 38
9. PARTS LIST ..... 39 — 45

1. OPERATING INSTRUCTIONS

1-1 FRONT VIEW

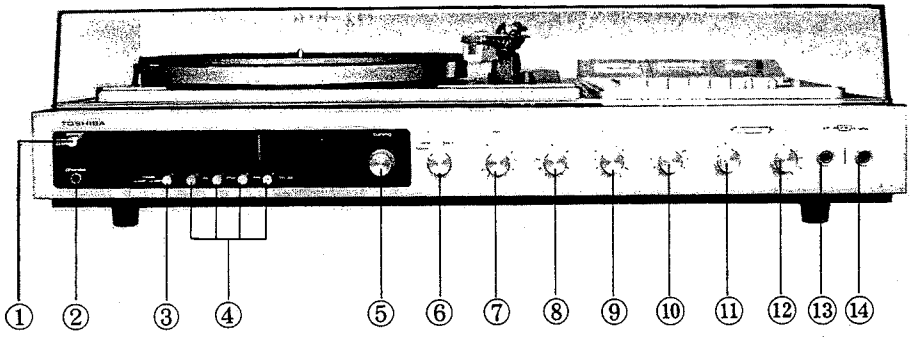


Figure 1

1. Power switch
2. Headphone jack
3. Channel mode switch
4. Band switch (1w, mw, fm, fm-st)
5. Tuning switch
6. Select switch (radio, phono, tape, aux)
7. Bass control knob
8. Treble control knob
9. Balance control knob
10. Volume control knob
11. Recording level control knob (Left)
12. Recording level control knob (Right)
13. Microphone jack (Left) for recording
14. Microphone jack (Right) for recording

1-2 BACK VIEW

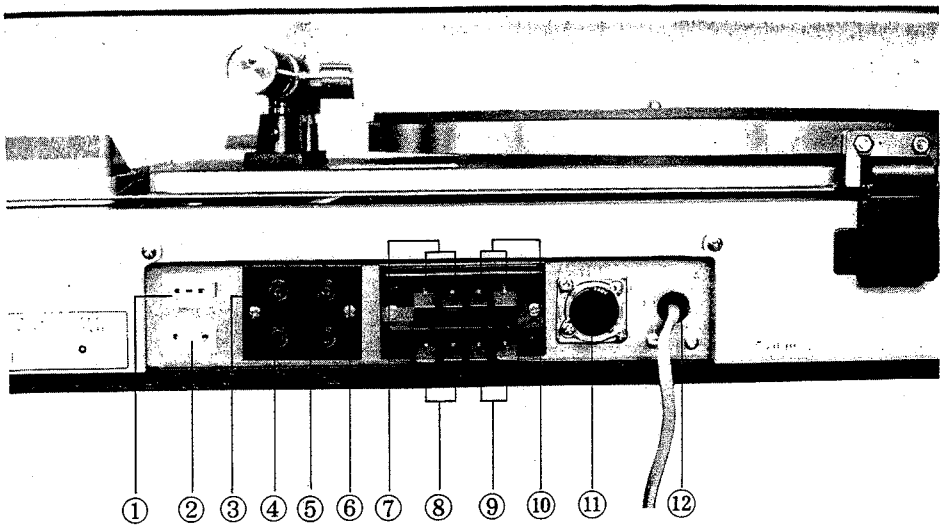


Figure 2

1. FM-Antenna terminal
2. AM-Antenna terminal
3. AUX.IN jack (Left)
4. AUX.IN jack (Right)
5. TAPE OUT jack (Right)
6. TAPE OUT jack (Left)
7. Front speaker terminal (Right)
8. Back speaker terminal (Right)
9. Back speaker terminal (Left)
10. Front speaker terminal (Left)
11. Voltage selector
12. AC power cord

1-3 CASSETTE VIEW

1. Stop/Cassette eject button (■ stop eject)
2. Recording button (record)
3. Rewind button (◀◀ rew)
4. Play back button (▶ play)
5. Fast forward (▶▶ ff)
6. Pause button (▮▮ pause)
7. Tape selector switch
8. Dolby nr Switch
9. Indicator
10. Reset button of the tape counter
11. Tape counter
12. Level meter
13. Cassette Cover
14. Interference eraser switch

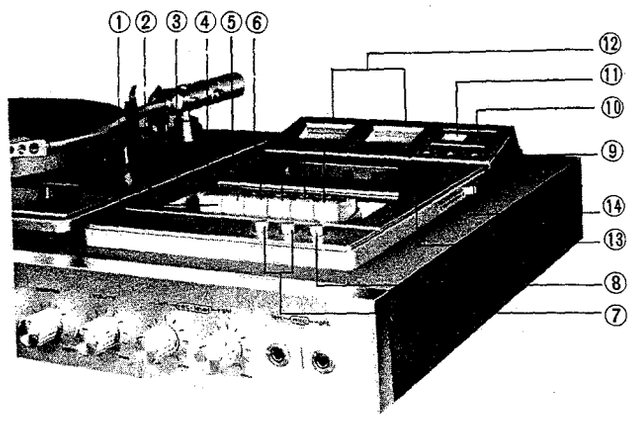


Figure 3

2. DISASSEMBLY INSTRUCTIONS

2-1 PLAYER REMOVAL

a. Remove the five transit screws marked (※) from the player panel.
b. Lift the turntable sheet and turntable.
c. Unloose the one mounting screw marked (★) and slide to the direction of arrow indicating as show in figure 4.
d. Lift up the player panel and disconnect the power line cord connector (4P) and 3P socket connector.

1. Turntable sheet
2. Turntable
3. Turntable shaf
4. Arm weight
5. Arm elevator
6. Arm rest
7. Play/cut lever
8. Power line cord connector
9. 3P socket connector
10. Speed change lever
11. Belt guide
12. Adaptor holder
13. Motor pulley

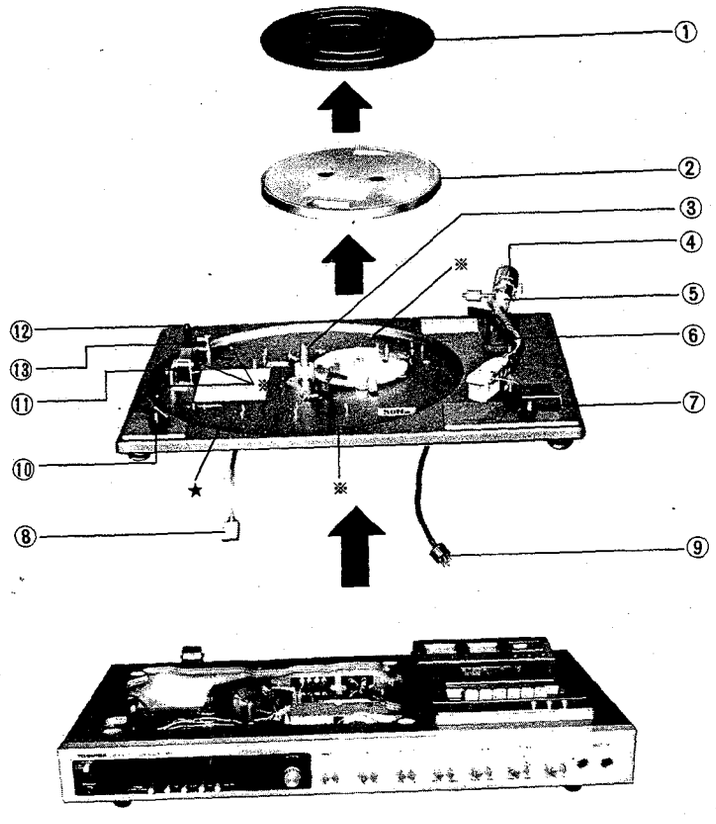


Figure 4

2-2 CASSETTE REMOVAL

a. Remove the two screws marked (*) as shown in figure 5.
b. Take off the two knobs marked (★) and two decoration nuts marked (*) as shown in figure 6.
c. Slide and lift up the cassette body to the direction of arrow indicating as shown in figure 6.
d. Disconnect two 3P socket connectors and one 4P socket connector.
e. Remove the nine screws marked (*) as shown in figure 7, and remove the chassis.

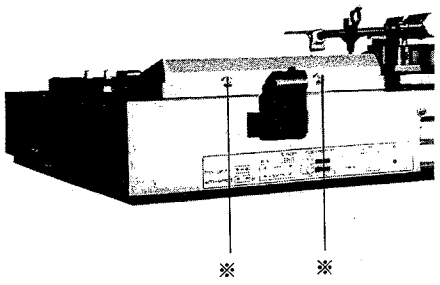


Figure 5

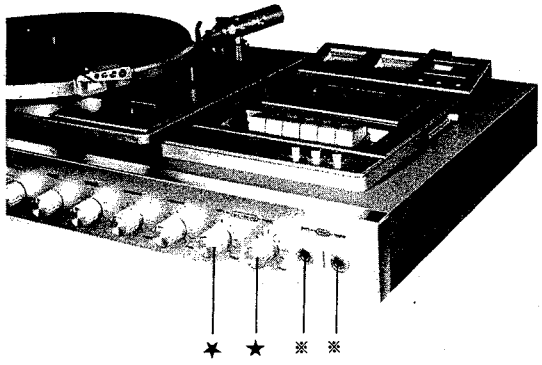


Figure 6

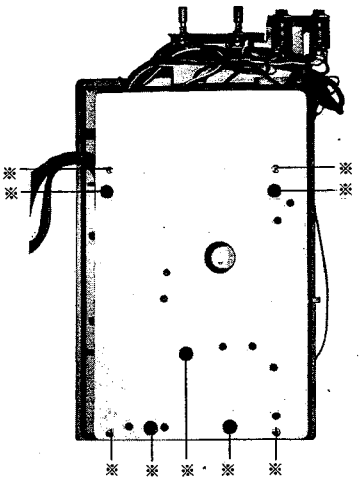


Figure 7

2-3 CABINET REMOVAL

a. Remove the player and the cassette and recorder. (See 2-1, 2-2)
b. Remove the six screws marked (*) shown in figure 8.
c. The cabinet can now be removed as shown in figure 9.

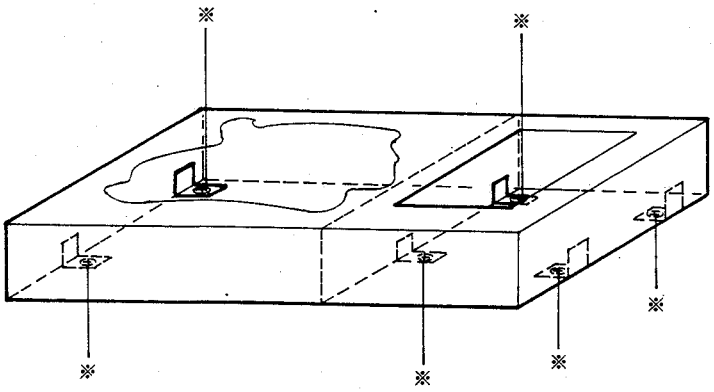


Figure 8

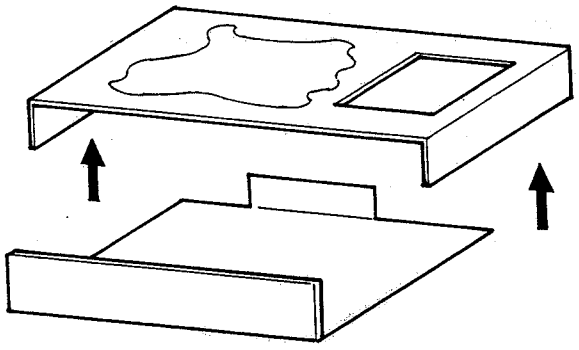


Figure 9

2-4 FRONT PANEL REMOVAL

a. Remove the cabinet. (See 2-3)
b. Remove the nine screws marked (*) as shown in figure 10.

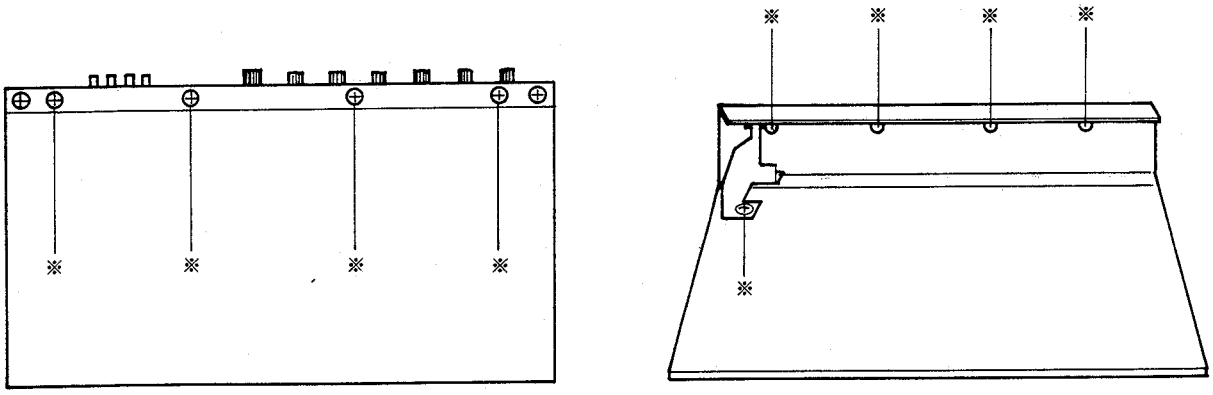


Figure 10

2-5 DIAL CORD STRINGING

a. Set the tuning capacitor to the minimum capacitance (fully clockwise position).
b. Wind the dial cord in the numerical sequence as shown in figure11.

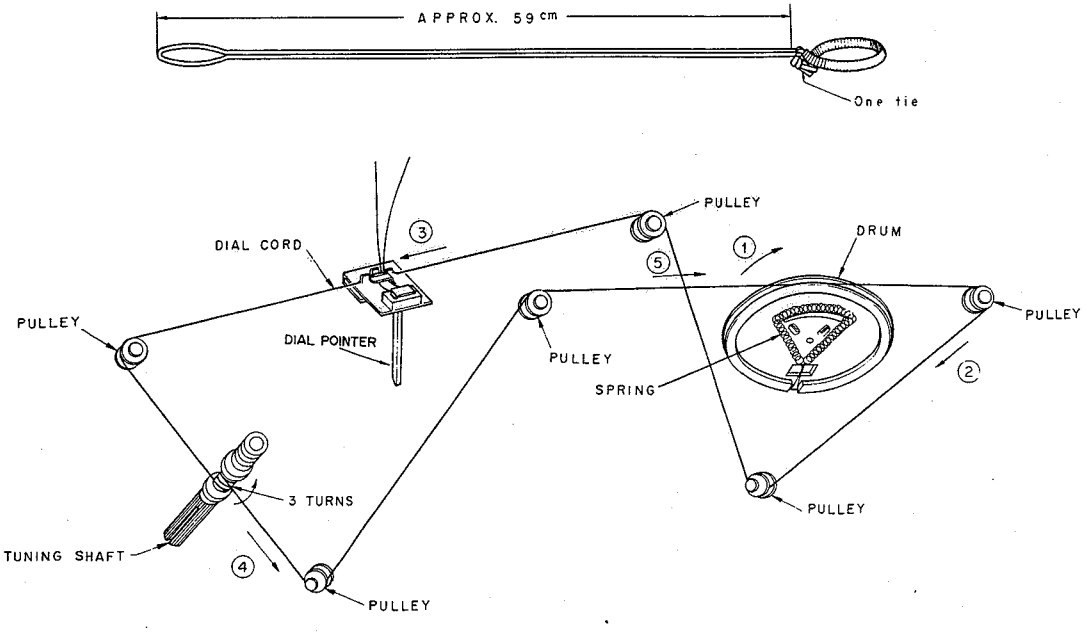


Figure 11

2-6 STYLUS & CARTRIGE REPLACEMENT

a. Exchange of a stylus can be done as shown in figure12.
b. Remove the cartridge from headshell. (see figure13)
c. Remove the four clips from cartridge. (figure14 is wiring)

CAUTION: When the cartridge (incl. headshell) is exchange, turn to the minimum volume position on amplifier.

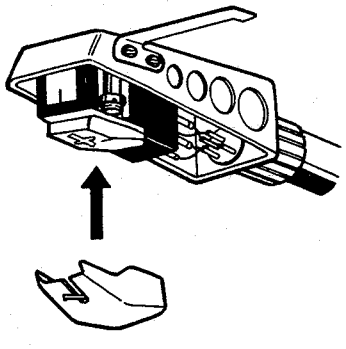


Figure 12

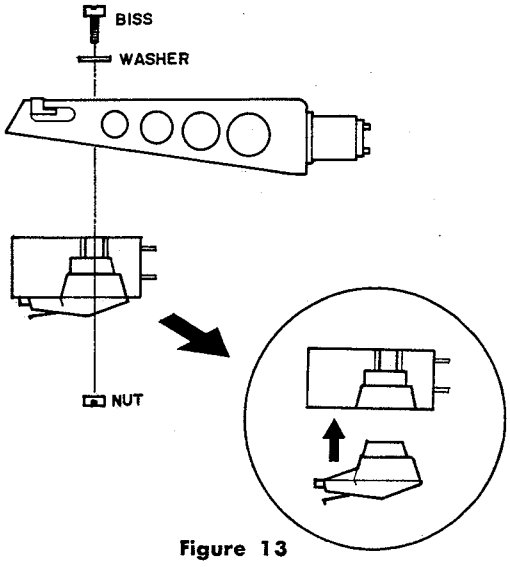


Figure 13

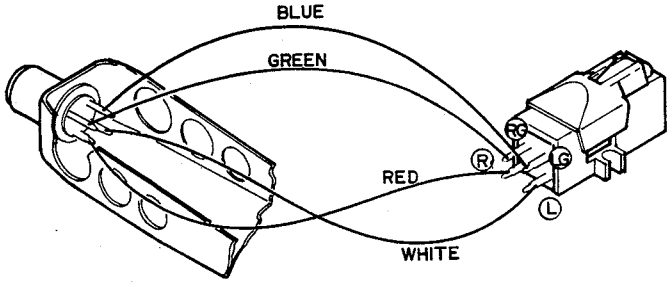


Figure 14

2-7 MISTAKEN ERASURE PROTECTION DEVICE

The arrow shows the relationship between recording side of the cassette and its break-off tab.
There is an erasure prevention plastic tab on the cassette tape case so that the recorded tape can not be erased by mistake.
When this plastic fillet is broken off, the erasure protection lever enters the cassette tape groove by working of the lever spring.
The record slider markes contact with the protection lever even if the record button is depressed, and valuable tapes which have been recorded can not be erased by mistake.

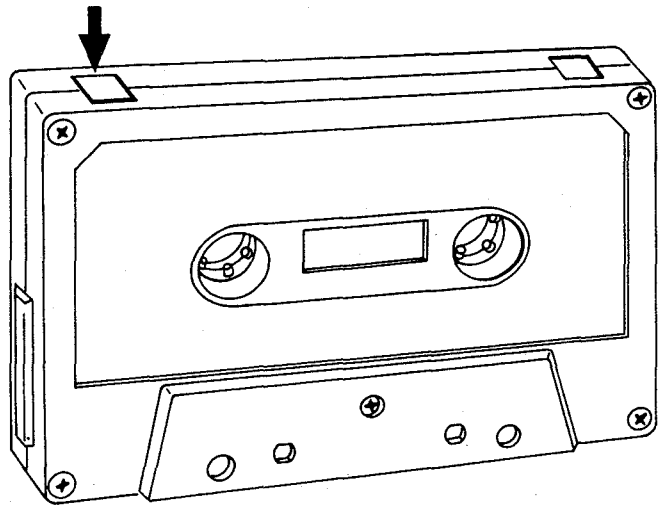


Figure 15

2-8 RECORD PLAYBACK HEAD ADJUSTMENT

A 6.3 kHz standard tape must be used for these adjustments.
Connect a VTVM or an oscilloscope to the headphone jack and use a philips screwdriver to adjust the azimuth and height so that the output voltage is maximum.

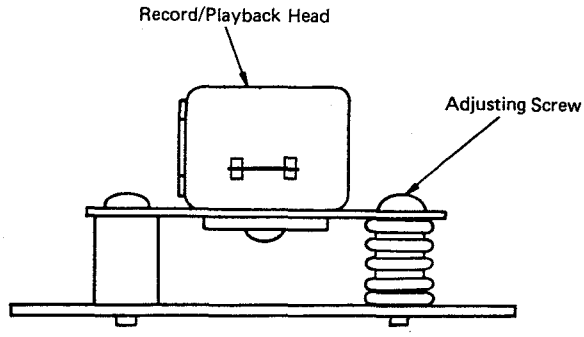


Figure 16

2-9 PLAYBACK OPERATION (PLAY)

The playback operation is just the same as mentioned below, except that the PLAY button alone is manipulated.

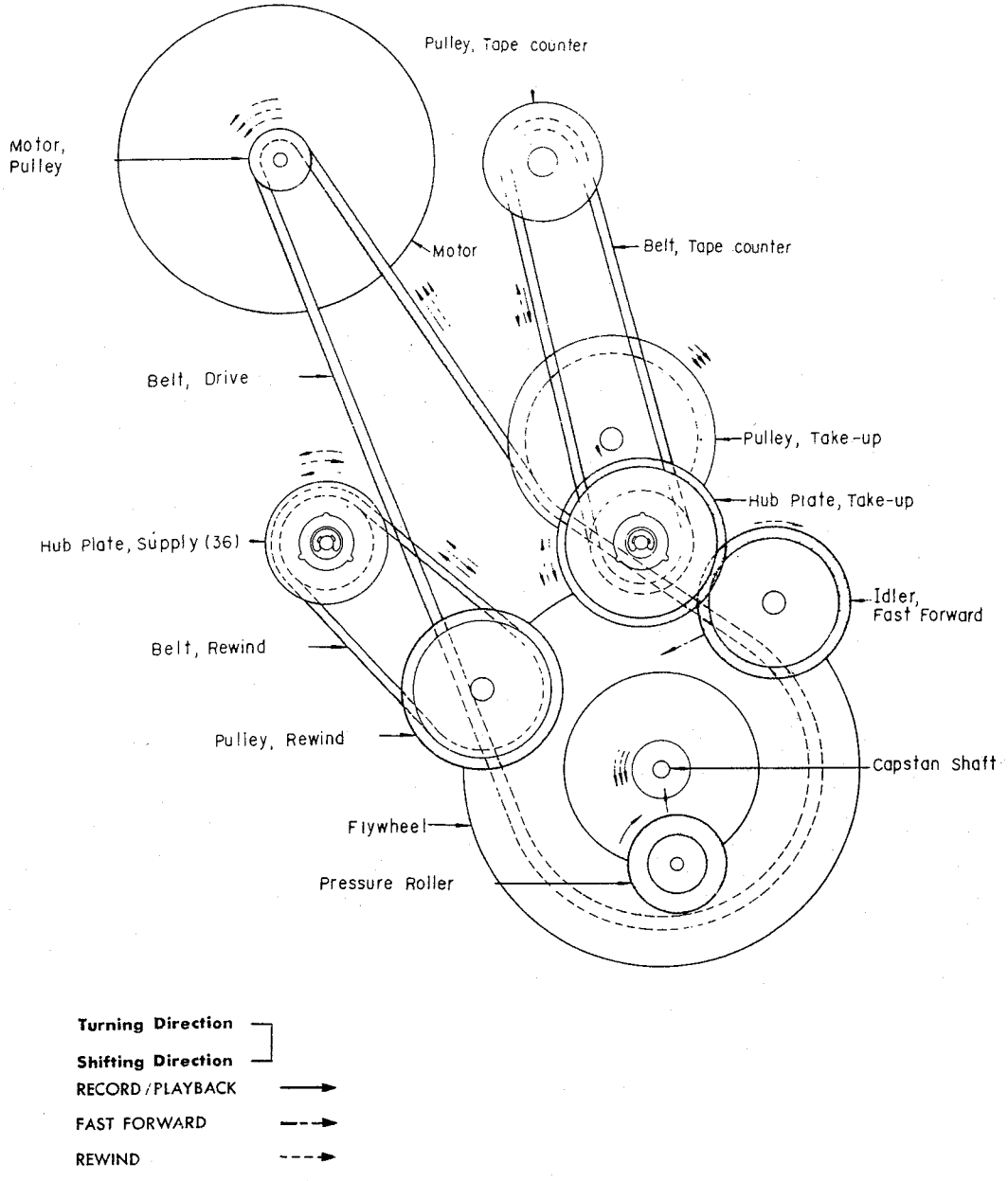
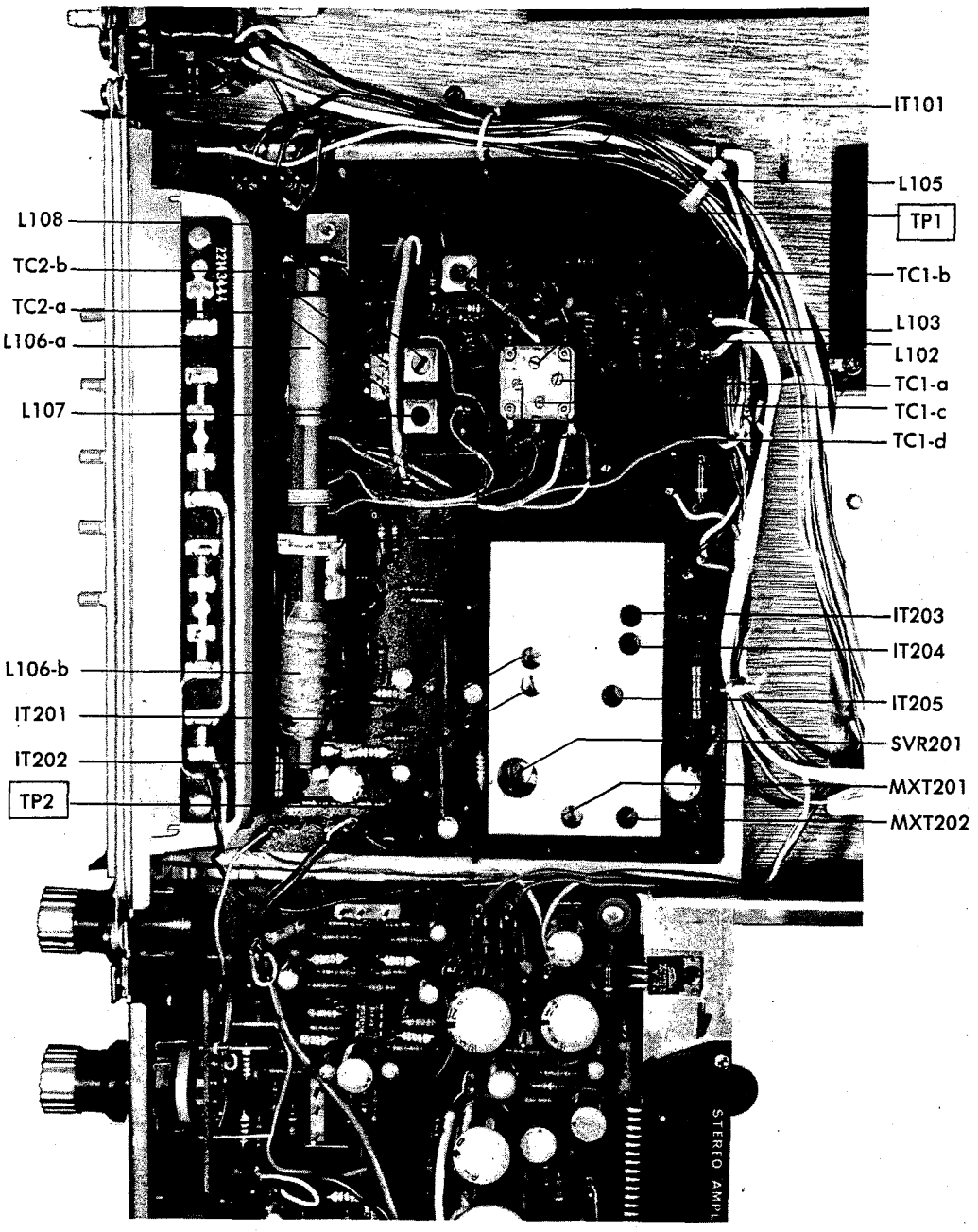


Figure 17

3. PARTS LOCATIONS



4. ALIGNMENT INSTRUCTIONS

THE FOLLOWING EQUIPMENT IS REQUIRED FOR ALIGNMENT

1. Sweep signal generator (Sweep range of at least 300 kHz, center frequency of 10.7 MHz.)
2. Signal generator with a frequency range of at least from 140 kHz to 25 MHz for AM, from 85 MHz to 110 MHz and 10.7 MHz for FM.
3. Oscilloscope with a wide range amplifier of approximately 100 kHz.
4. Test loop, a coil of any size wire, one turn or more.
5. VTVM (Vacuum tube voltmeter.)
6. For alignment points, see schematic diagram.

NOTES:

1. During alignment keep the signal generator output at the lowest level where useable output from the set can be maintained.
2. Ground connection of signal generator ..... To chassis ground.
3. Generator modulation ..... 30%, 400 Hz.

4-1 LW ALIGNMENT

1. Set push switch to LW.
2. Set signal generator frequency as listed in TABLE 1. LW ALIGNMENT CHART.
3. Proceed as outlined in the TABLE 1. LW ALIGNMENT CHART.

TABLE 1. LW ALIGNMENT CHART (See Figure 18)

Step	Signal Generator Connection	Signal Generator Frequency	Radio Dial Setting	Meter or Oscilloscope Connection	Adjustment	Remarks
1	Test loop	145 kHz	Tuning gang fully counter-clockwise	VTVM across voice coil	L 108	Adjust for maximum
2	Test loop	385 kHz	Tuning gang fully clockwise	Same as step 1	TC 2-b	Same as step 1
3	Repeat steps 1 and 2 until no further improvement is noticed.					
4	Test loop	170 kHz	Tune to signal	Same as step 1	L 106-b	Same as step 1
5	Test loop	340 kHz	Tune to signal	Same as step 1	TC 1-d	Same as step 1
6	Repeat steps 4 and 5 until no further improvement is noticed.					

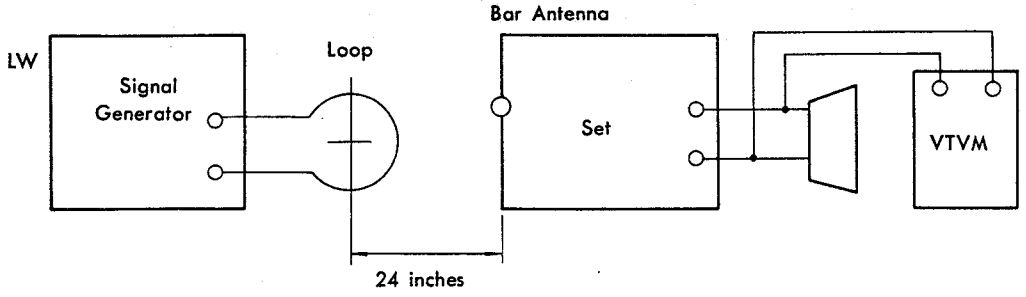


Figure 18

4-2 MW ALIGNMENT

1. Set push switch to MW.
2. Set signal generator frequency as listed in TABLE 2 MW ALIGNMENT CHART.
3. Proceed as outlined in the TABLE 2 MW ALIGNMENT CHART.

TABLE 2 MW ALIGNMENT CHART (See Figure 19)

Step	Signal Generator Connection	Signal Generator Frequency	Radio Dial Setting	Meter or Oscilloscope Connection	Adjustment	Remarks
1	Test loop	455 kHz	Tuning gang fully counter-clockwise	VTVM across voice coil	IT 203 IT 204 IT 205	Adjust for maximum
2	Test loop	505 kHz	Same as step 1	Same as step 1	L 107	Same as step 1
3	Test loop	1650 kHz	Tuning gang fully clockwise	Same as step 1	TC 2-a	Same as step 1
4	Repeat steps 2 and 3 until no further improvement is noticed.					
5	Test loop	600 kHz	Tune to signal	Same as step 1	L 106-a	Same as step 1
6	Test loop	1400 kHz	Tune to signal	Same as step 1	TC 1-c	Same as step 1
7	Repeat steps 5 and 6 until no further improvement is noticed.					

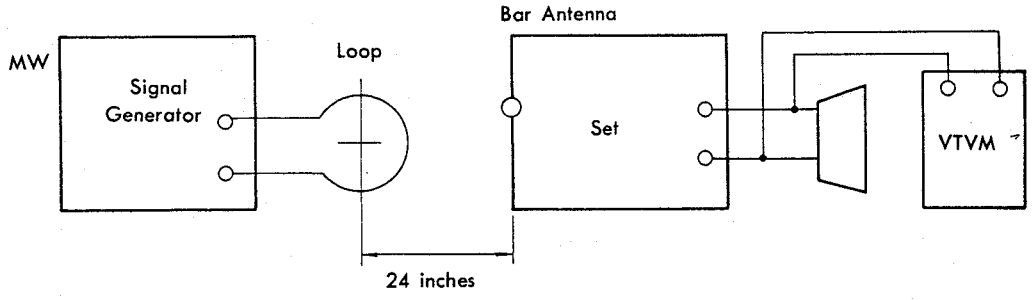


Figure 19

4-3 FM ALIGNMENT

1. Set push switch to FM.
2. Set signal generator frequency as listed in TABLE 3 FM ALIGNMENT CHART.
3. Proceed as outlined in the TABLE 3 FM ALIGNMENT CHART.

TABLE 3 FM ALIGNMENT CHART (See Figure 20)

Step	Signal Generator Connection	Signal Generator Frequency	Radio Dial Setting	Meter or Oscilloscope Connection	Adjustment	Remarks
1	Sweep Generator through buffer to TP 1	10.7 MHz	Tuning gang fully counter-clockwise	Scope to TP 2 as shown in Figure 20.	IT 101 IT 201 IT 202	See "S" curve in Figure 20.
2	300 ohms matching pad	87.7MHz	Same as step 1	VTVM across voice coil	L 105	Adjust for maximum
3	Same as step 2	109.5MHz	Tuning gang fully clockwise	Same as step 2	TC 1-b	Same as step 2
4	Repeat steps 2 and 3 until no further improvement is noticed.					
5	Same as step 2	90 MHz	Tune to signal	Same as step 2	L 102 L 103	Same as step 2
6	Same as step 2	106 MHz	Tune to signal	Same as step 2	TC 1-a	Same as step 2
7	Repeat steps 5 and 6 until no further improvement is noticed.					

CAUTION:
When realigning the FM Receiving Frequency, the lowest side of the frequency range must not be below 87.5 MHz in order to comply with FTZ regulations in West Germany.

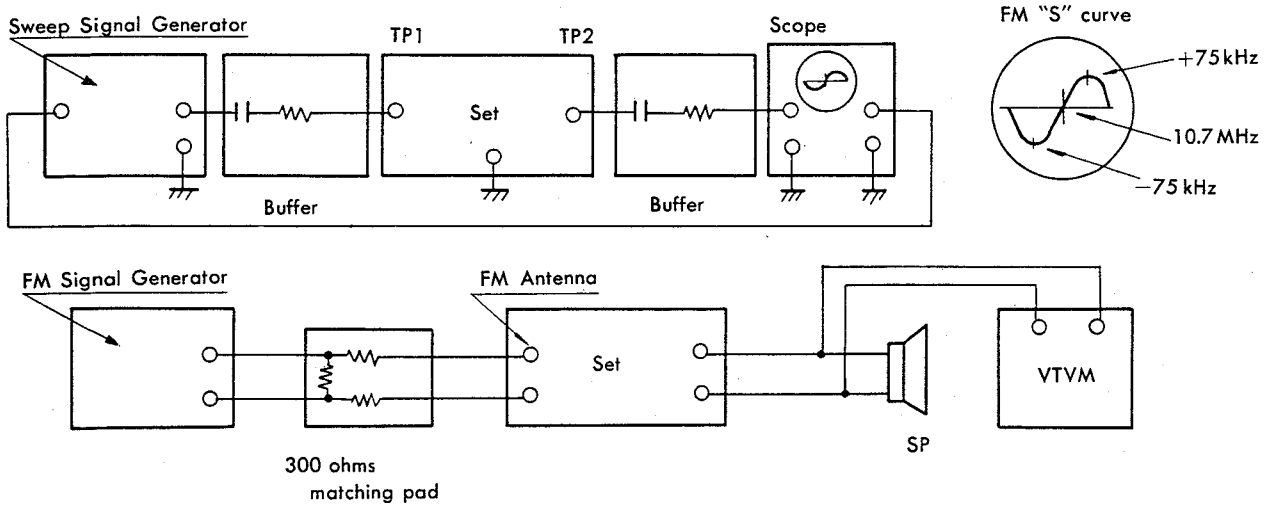


Figure 20

4-4 FM STEREO ALIGNMENT

General Alignment conditions

1. RF signal input should be about 60 dB (1mV).
2. Set tuning gang to quiet point on dial.
3. Set push switch to fm-st.

Note:

Set the deviation meter by the signal of L=R and switch mode desired.

TABLE 4. FM STEREO ALIGNMENT CHART (See Figure 21.)

Step	Modulation Frequency set to-	Modulation Mode set to-	Modulation Level set to-	Output Indicator connected to-	Adjustment	Remarks
1	19 kHz	Pilot only	Retain to just below limiting on output indicator	Oscilloscope or VTVM to light on at weak signal	MXT 201	Adjust for maximum
2	1000Hz	Sub. (L-R) with pilot if not available stereo L	30% 10% (pilot)	Oscilloscope VTVM across voice coil of L ch.	MXT 202 slightly	Adjust for maximum
3	1000Hz	Stereo R	Same as step 2	Same as step 2	SVR 201 Semi-fixed resistor (Separation)	Adjust for minimum

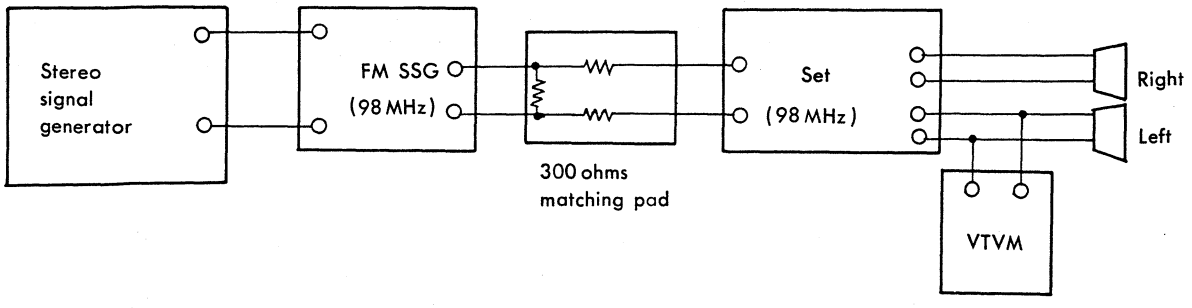
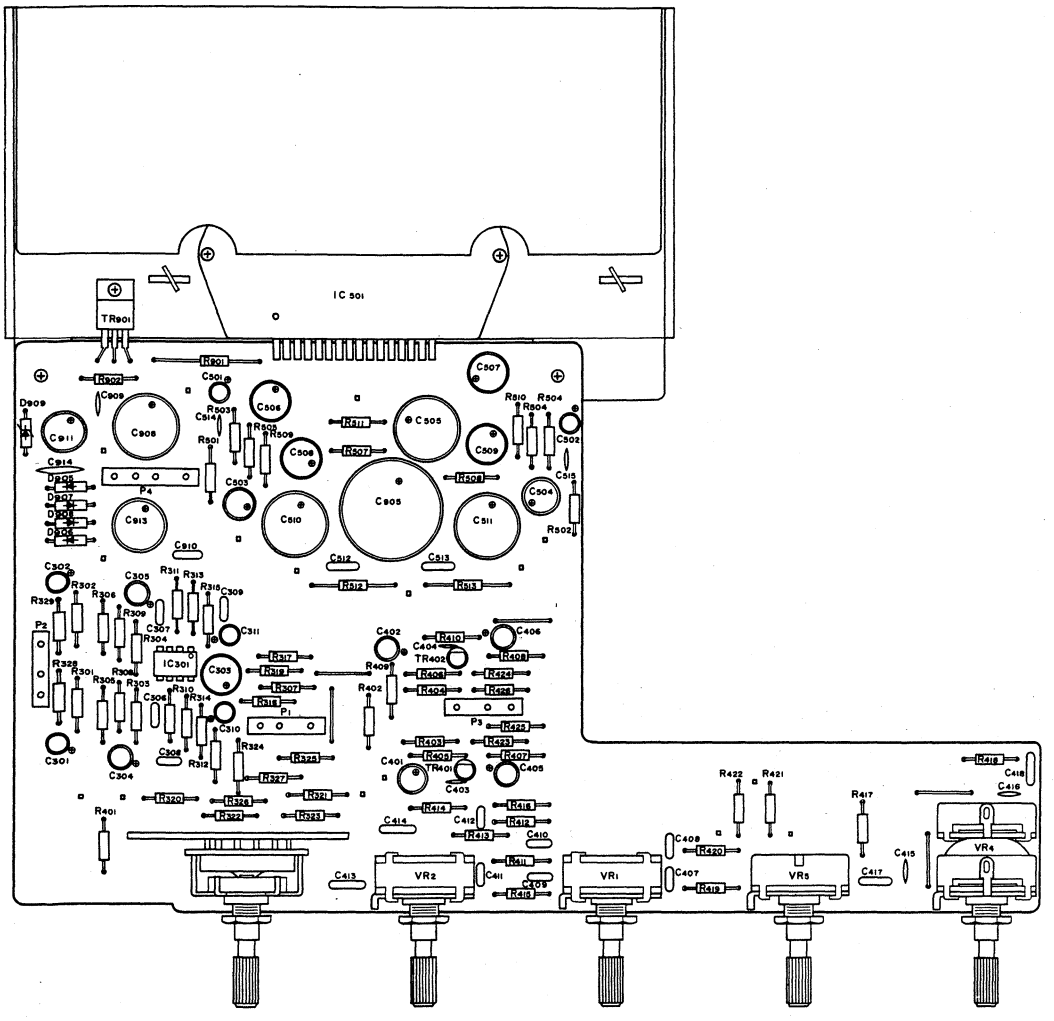


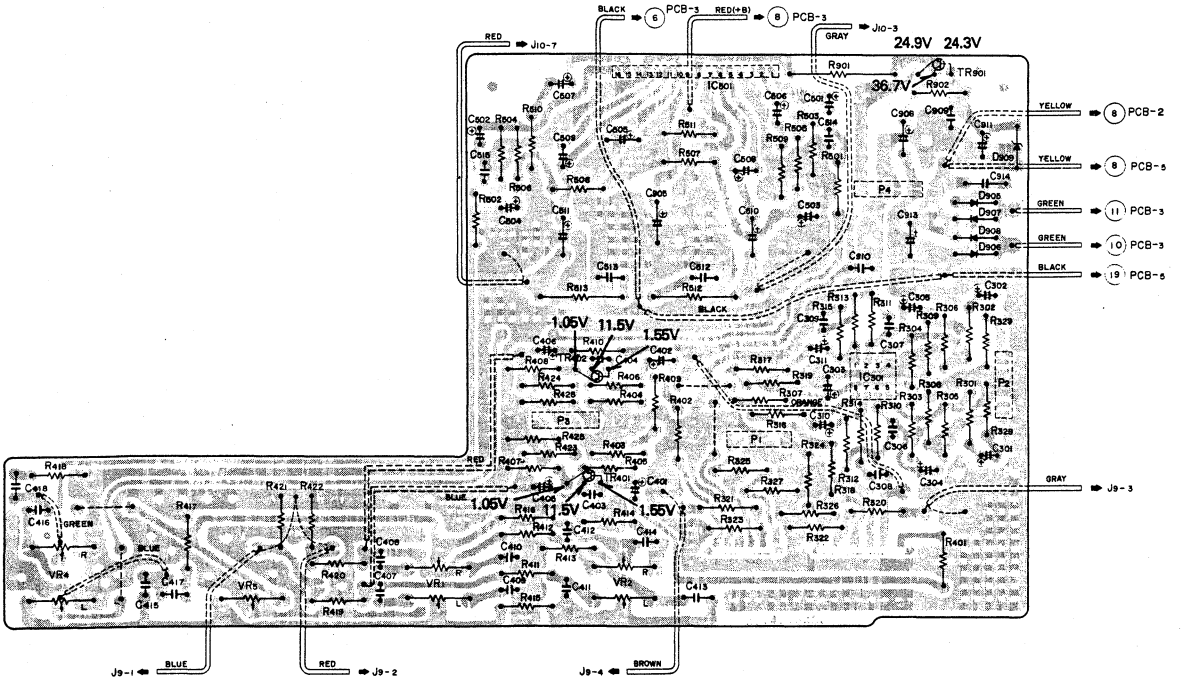
Figure 21

5. PRINTED CIRCUIT BOARD DIAGRAMS

5-1 AF UNIT

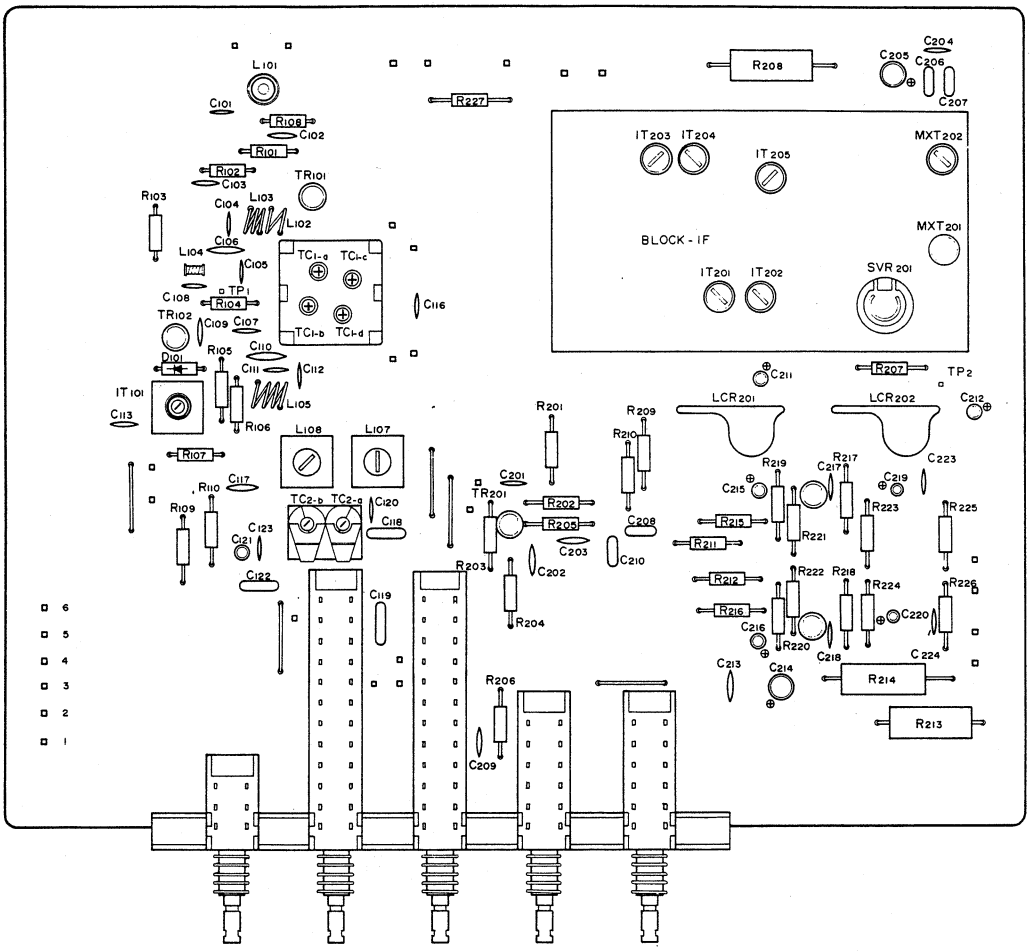


TOP VIEW

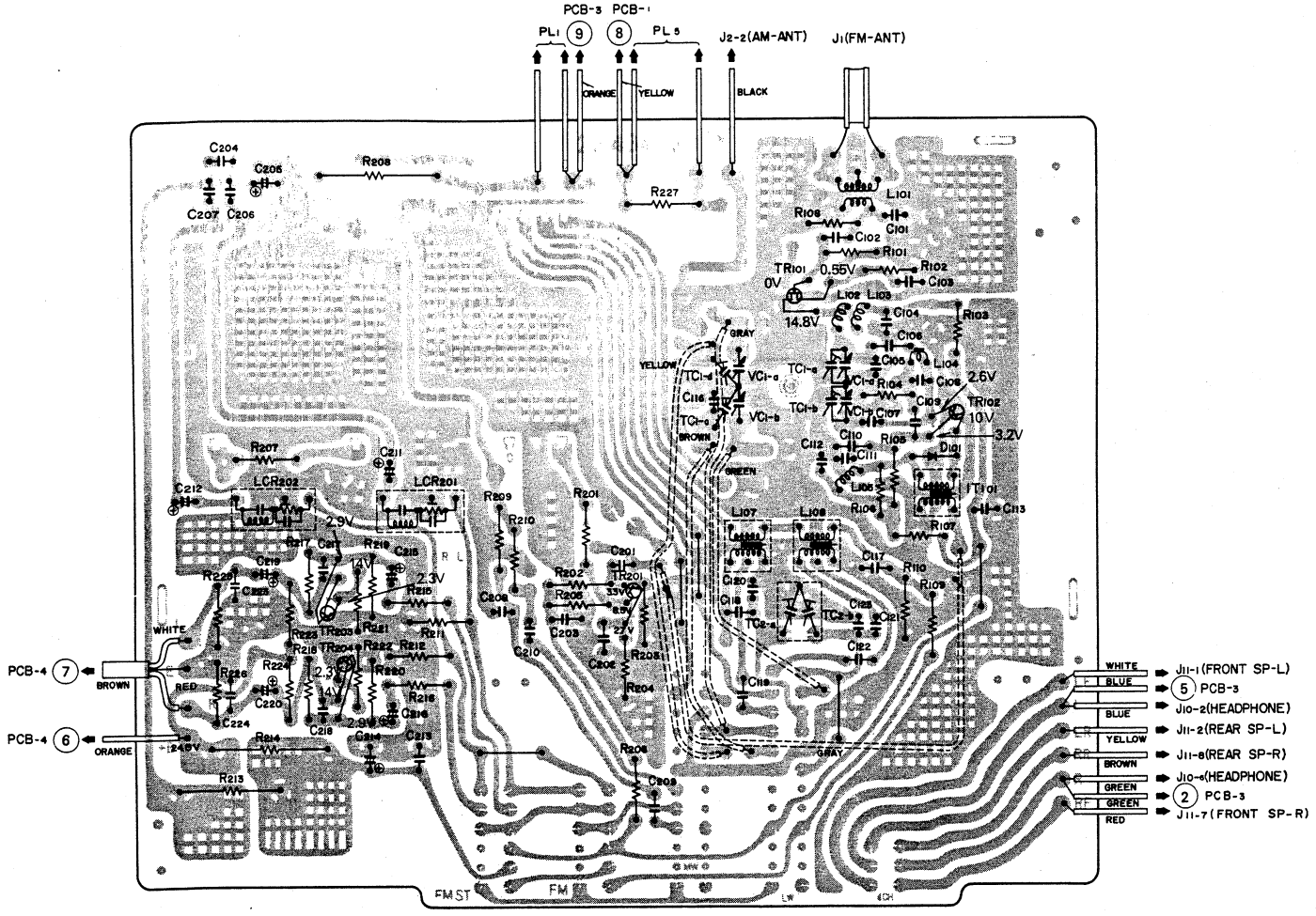


BOTTOM VIEW (PCB-1)

5-2 RADIO UNIT

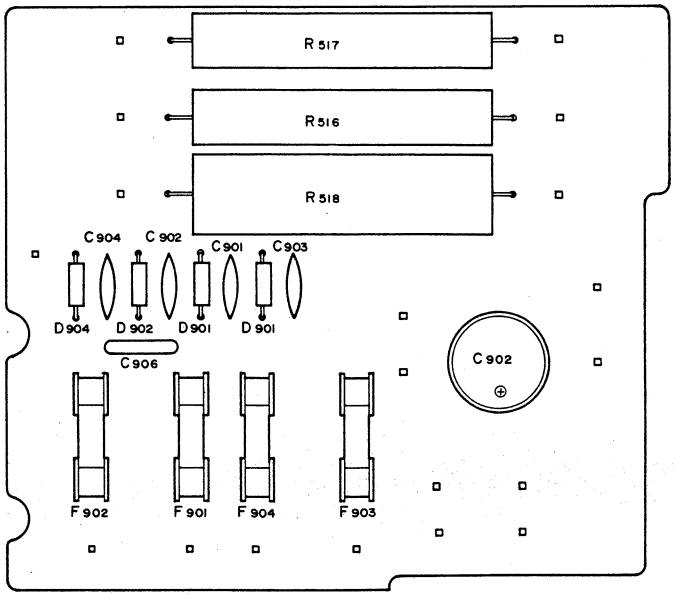


TOP VIEW

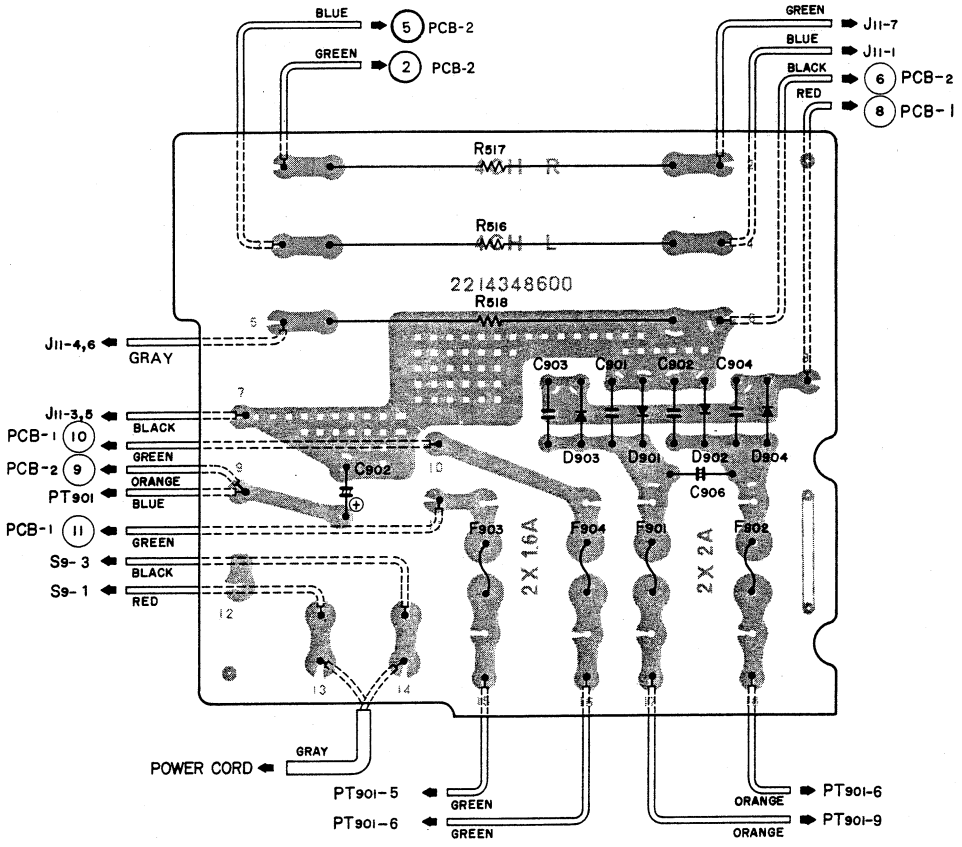


BOTTOM VIEW(PCB-2)

5-3 POWER SUPPLY UNIT

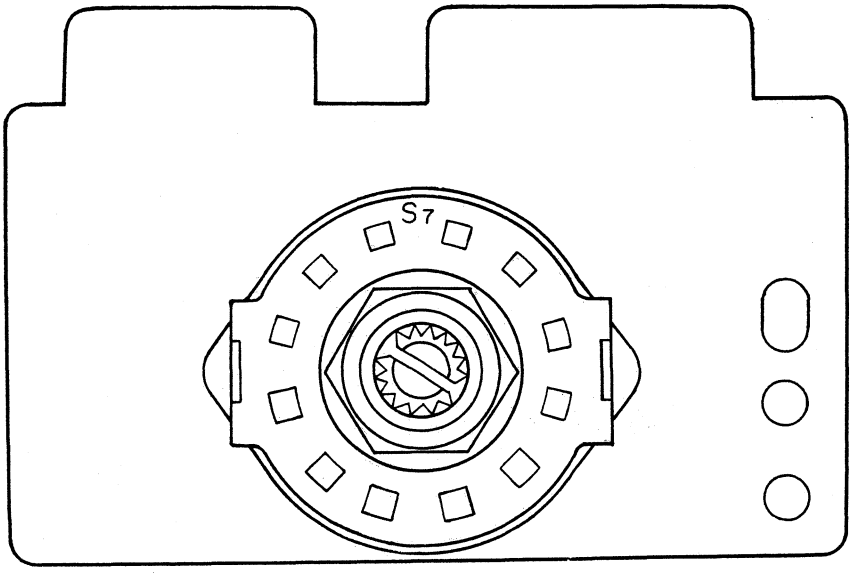


TOP VIEW

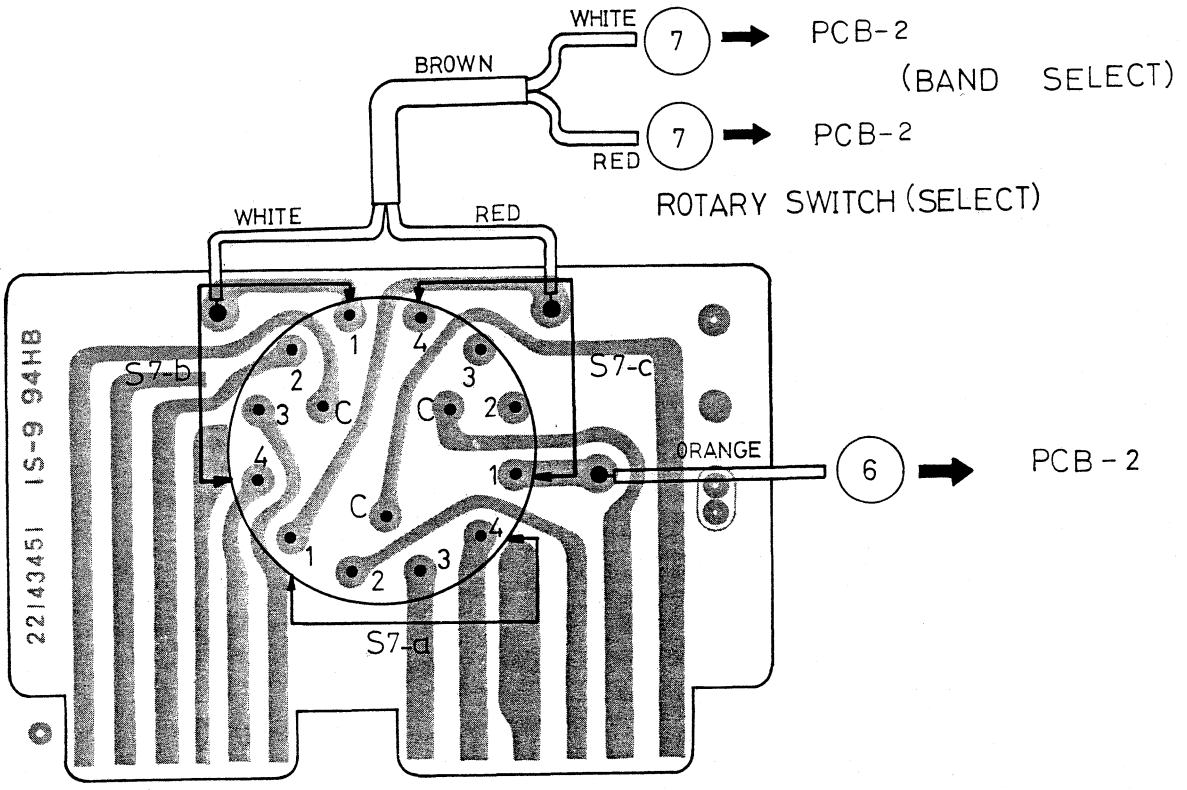


BOTTOM VIEW (PCB-3)

5-4 SWITCH UNIT

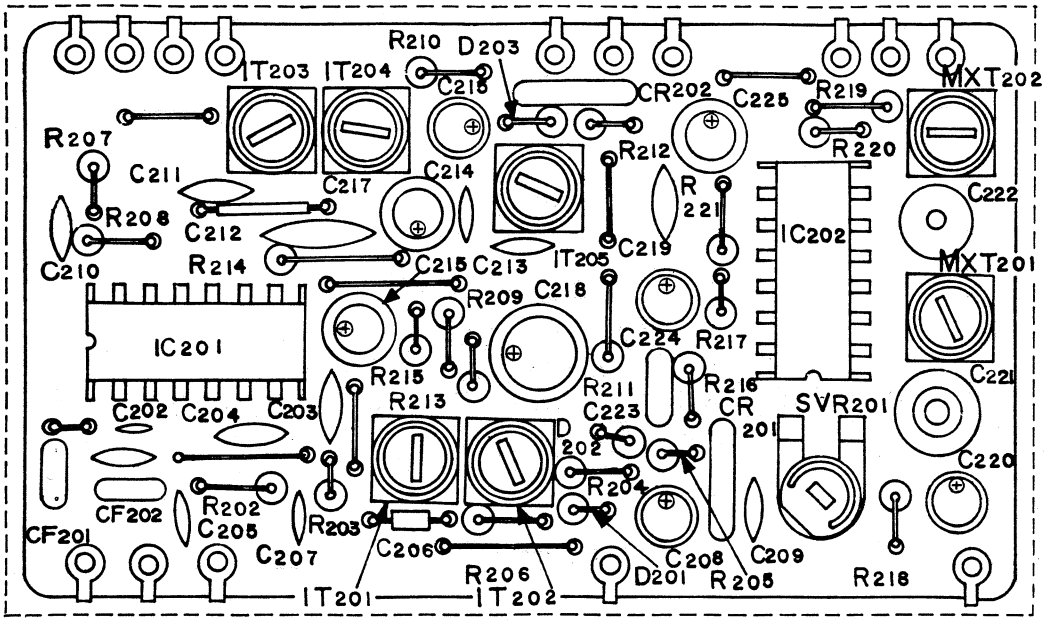


TOP VIEW

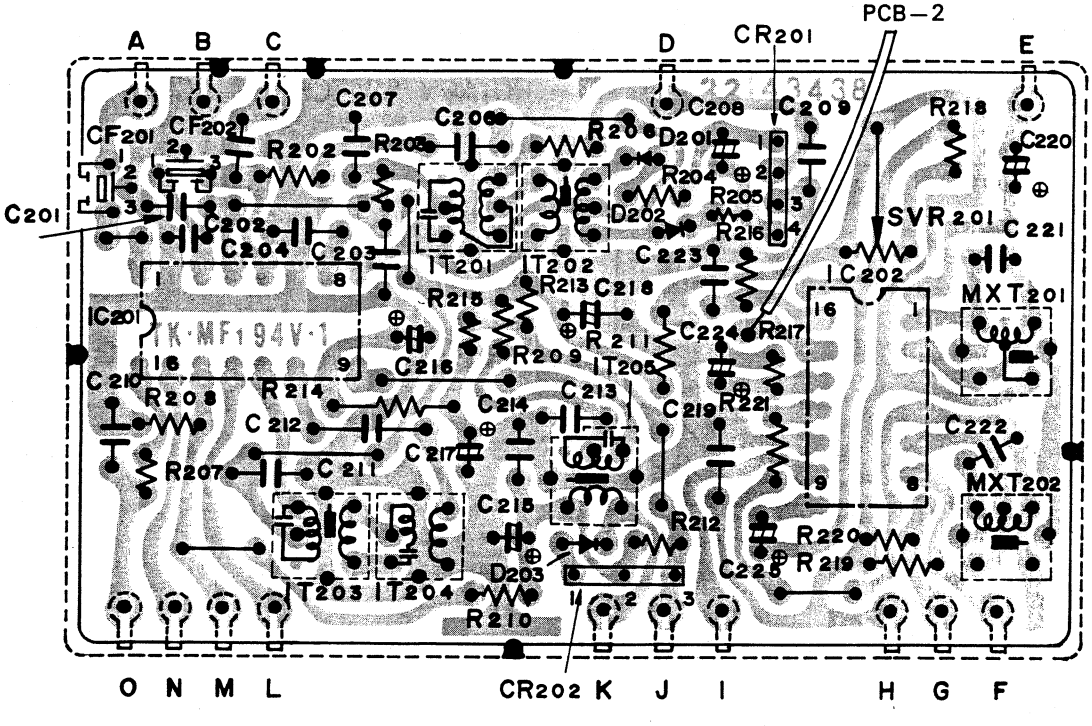


BOTTOM VIEW(PCB-4)

5-5 IF UNIT (PCB-2)

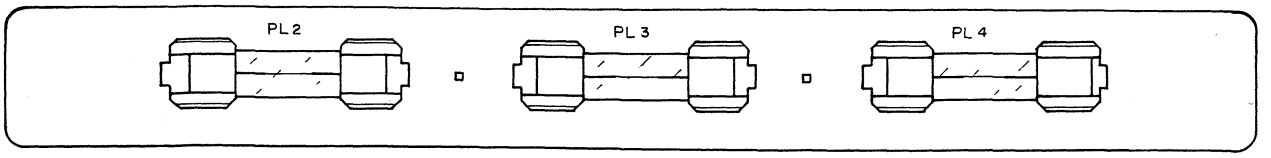


TOP VIEW

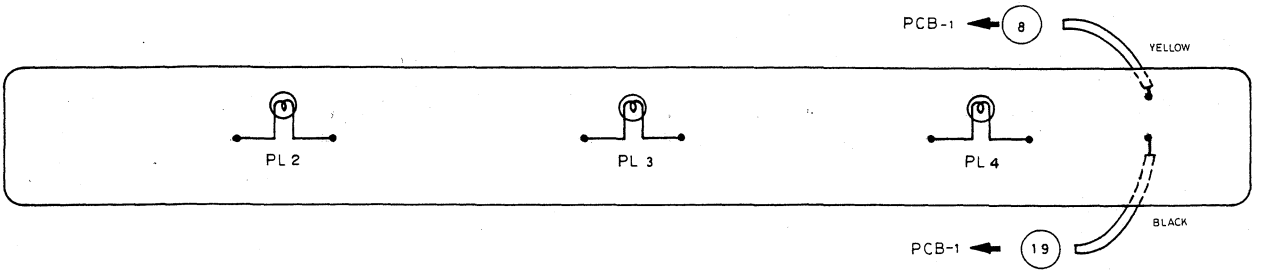


BOTTOM VIEW

5-6 LAMP UNIT

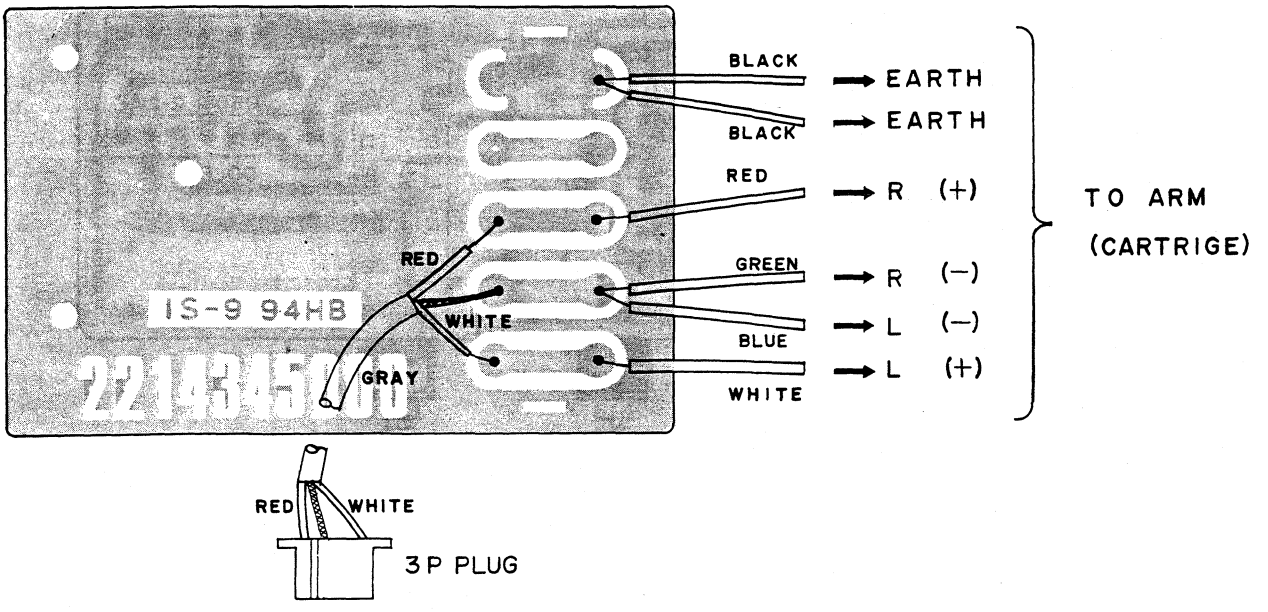


TOP VIEW



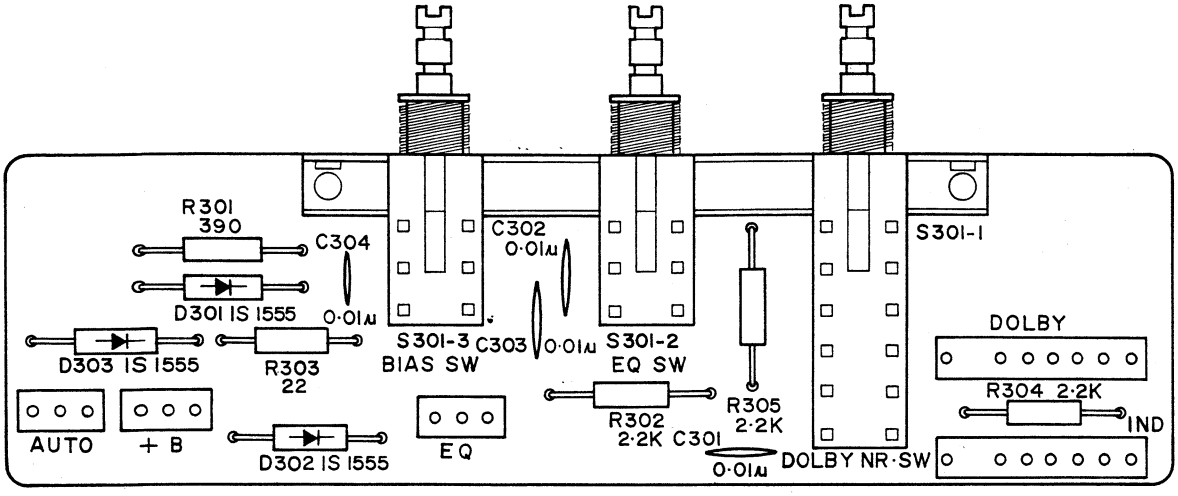
BOTTOM VIEW(PCB-5)

5-7 PHONO UNIT (PLAYER)

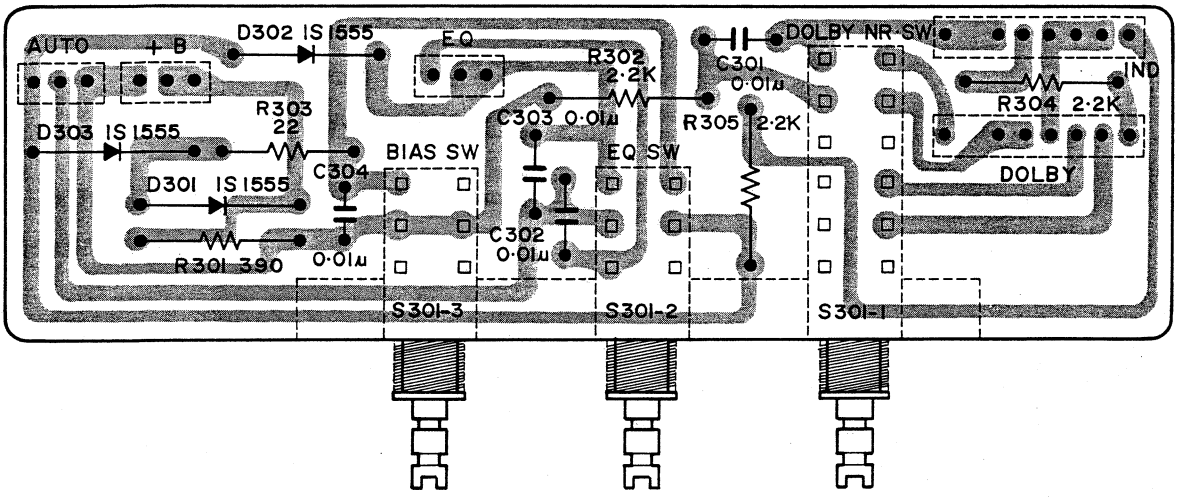


BOTTOM VIEW (PCB-6)

5-8 SWITCH UNIT (CASSETTE)

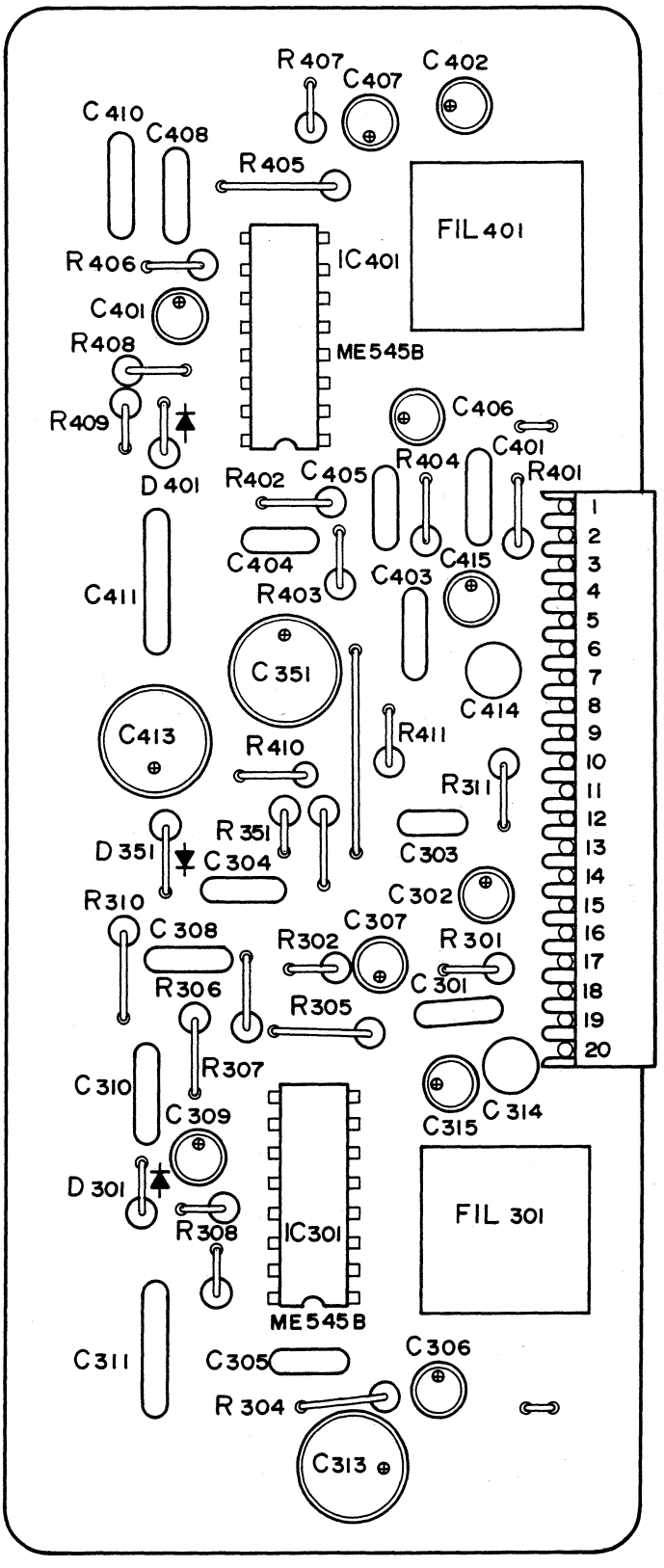


TOP VIEW

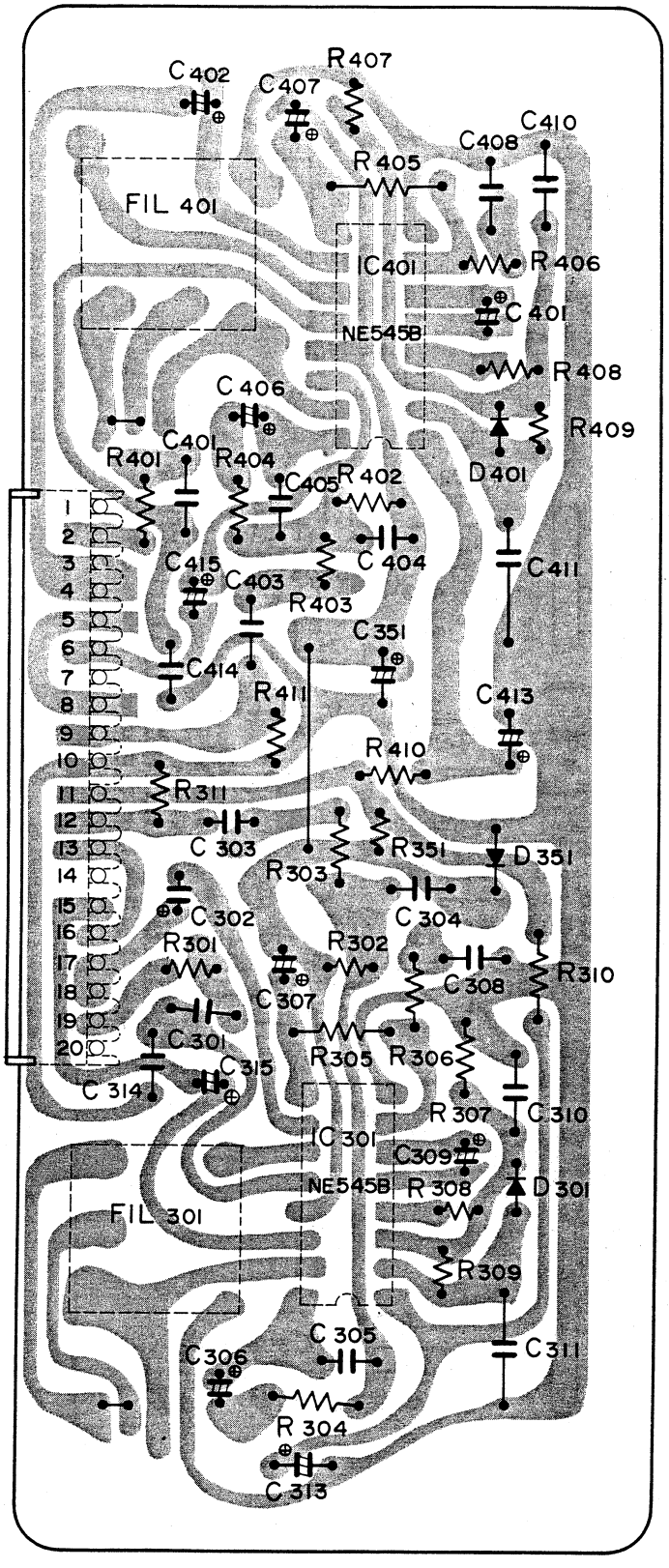


BOTTOM VIEW (PCB-7)

5-9 DOLBY UNIT (CASSETTE)

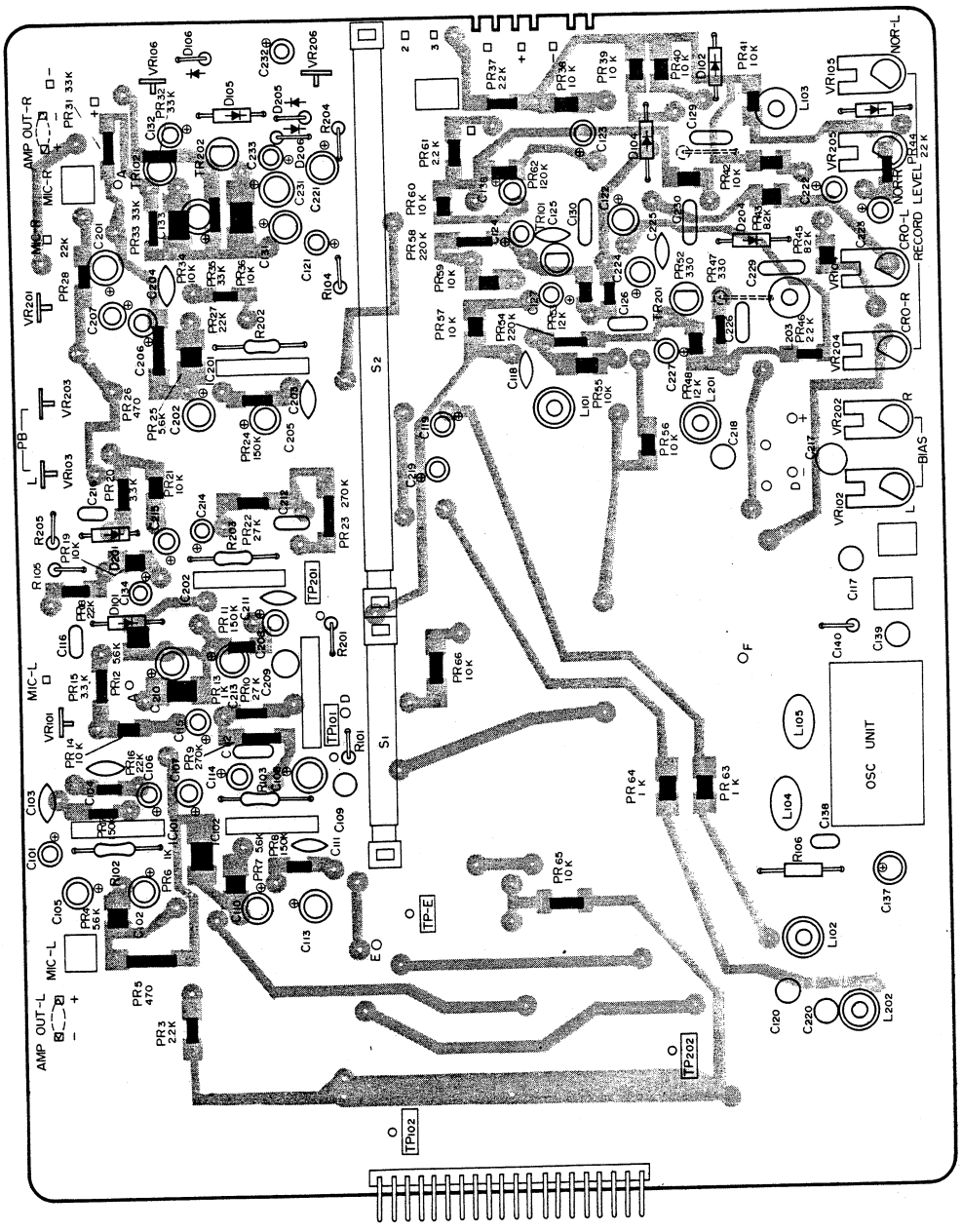


TOP VIEW

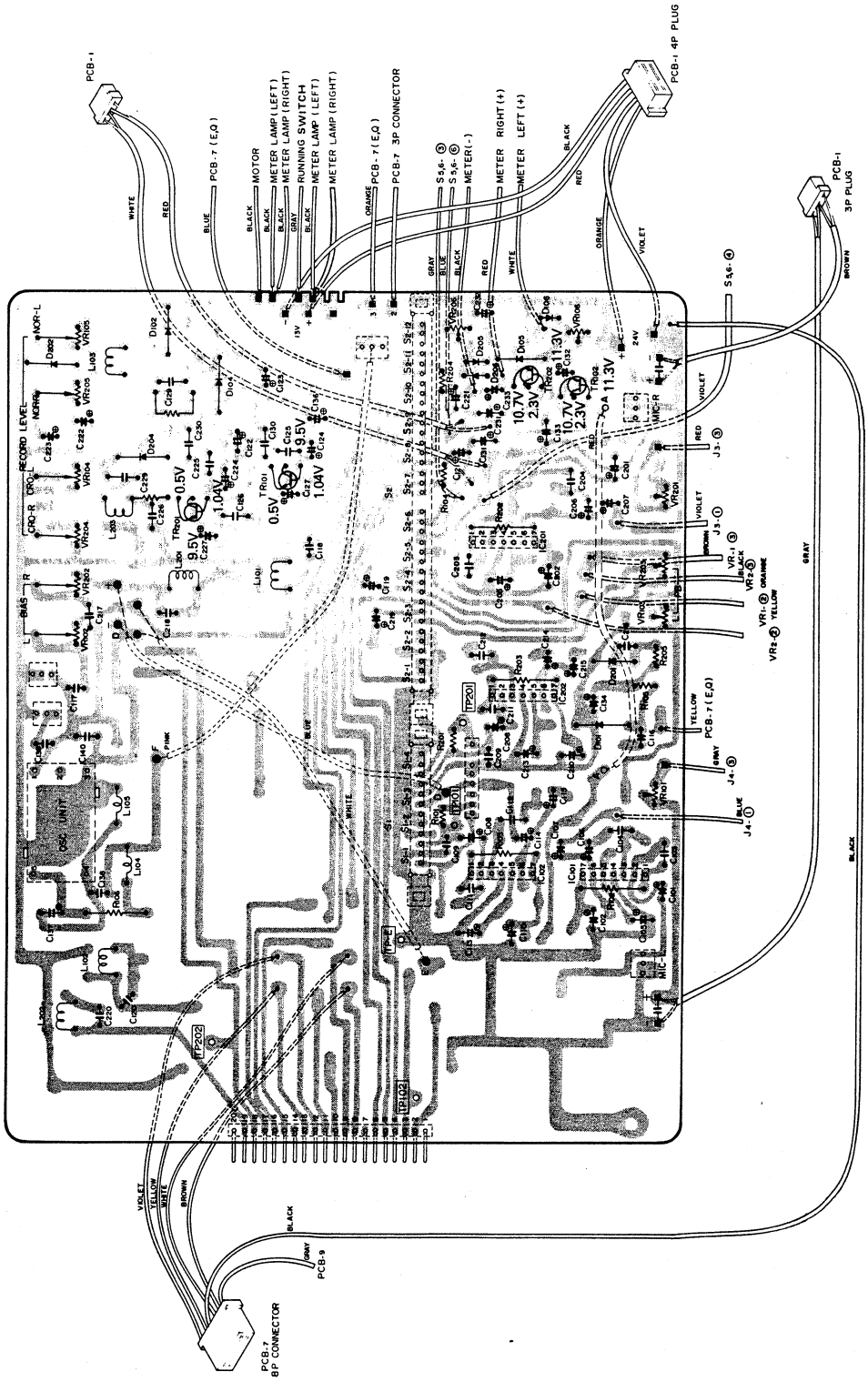


BOTTOM VIEW (PCB-8)

5-10 MAIN AMP.



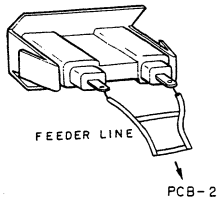
TOP VIEW



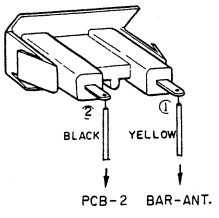
BOTTOM VIEW (PCB-9)

5-11 PARTS CONNECTION

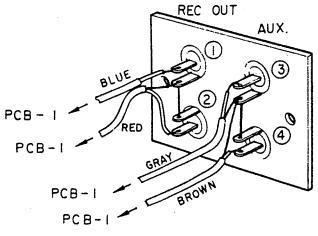
J1 FM-ANT.



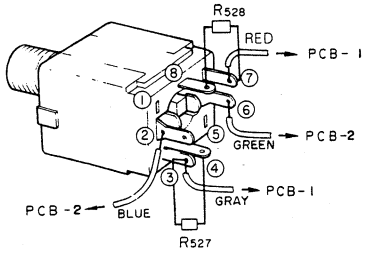
J2 AM-ANT.



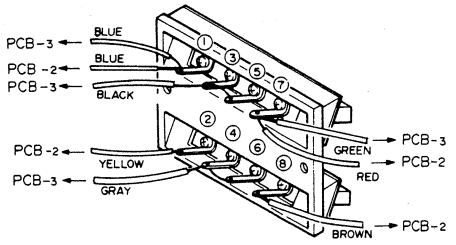
J9 REC OUT AND AUX JACK



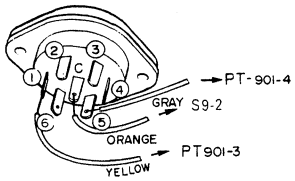
J10 HEADPHONE JACK



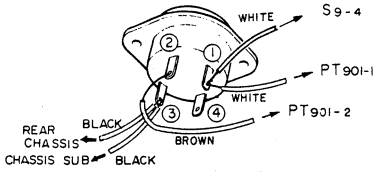
J11 FRONT AND REAR SPEAKER. JACK



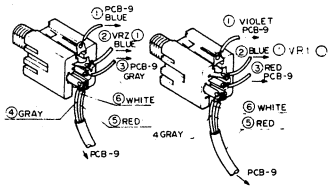
J12 VOLTAGE SELECT



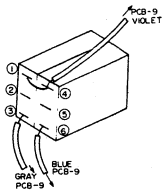
J13 PLAYER SOCKET (POWER SUPPLY)



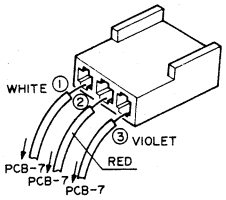
J4, J3 MIC JACK



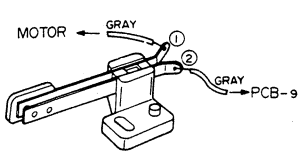
S5,6 MUTING SWITCH



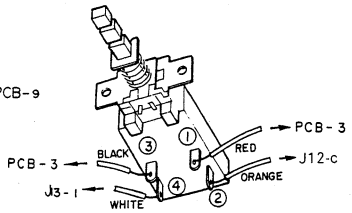
S4 AUTO TAPE SELECTOR SWITCH



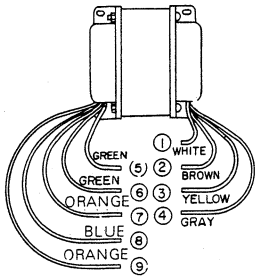
S3 RUNNING SWITCH



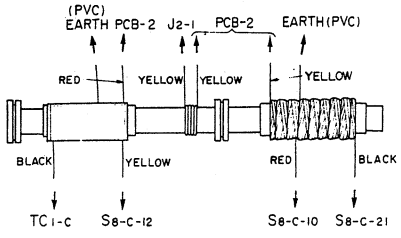
S9 POWER SWITCH



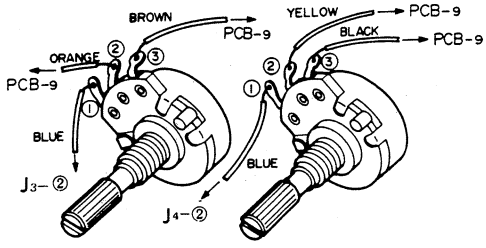
PT901 POWER TRANS.



L106 BAR ANTENNA



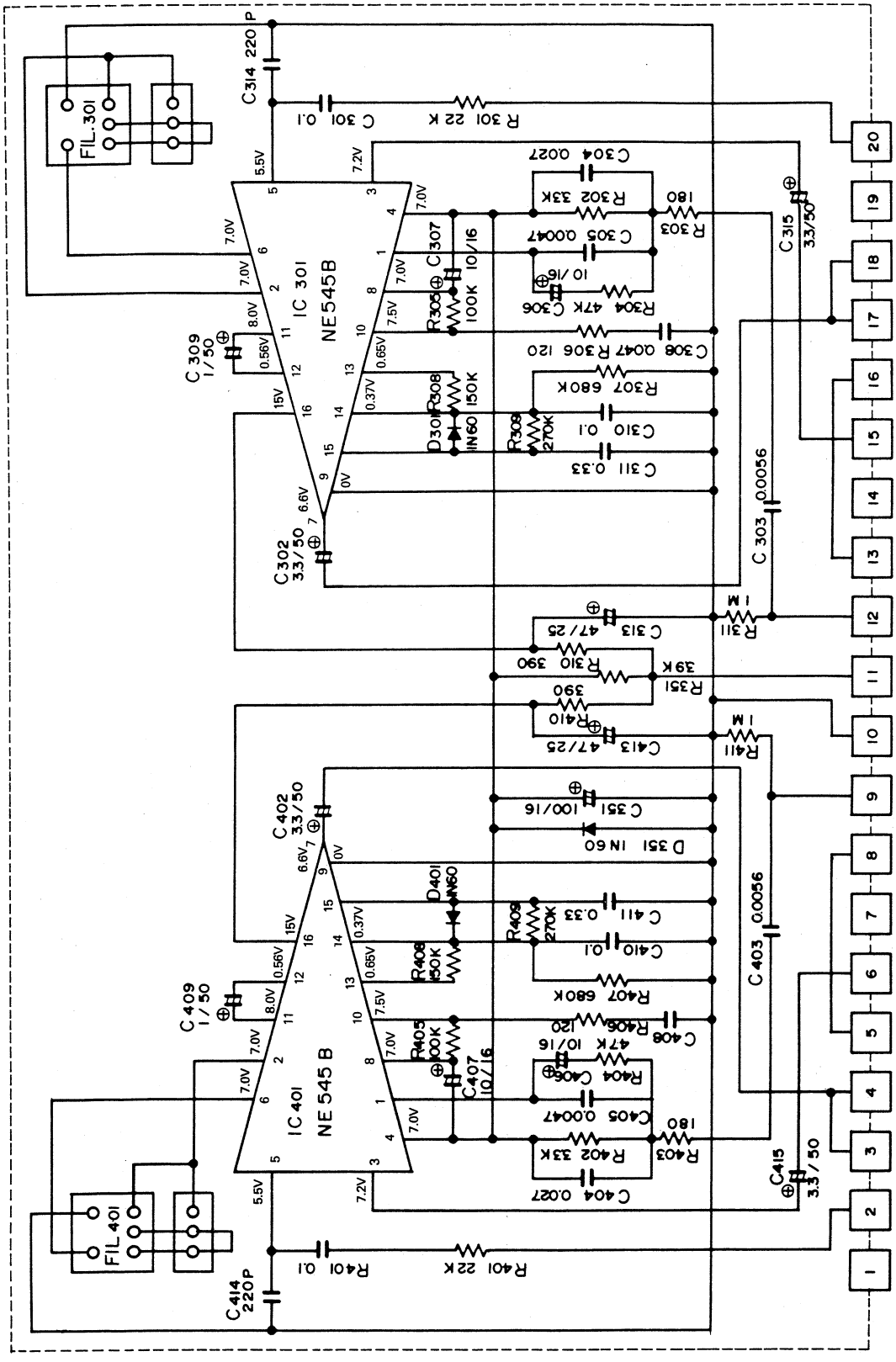
VR1, VR2 RECORDING VOLUME



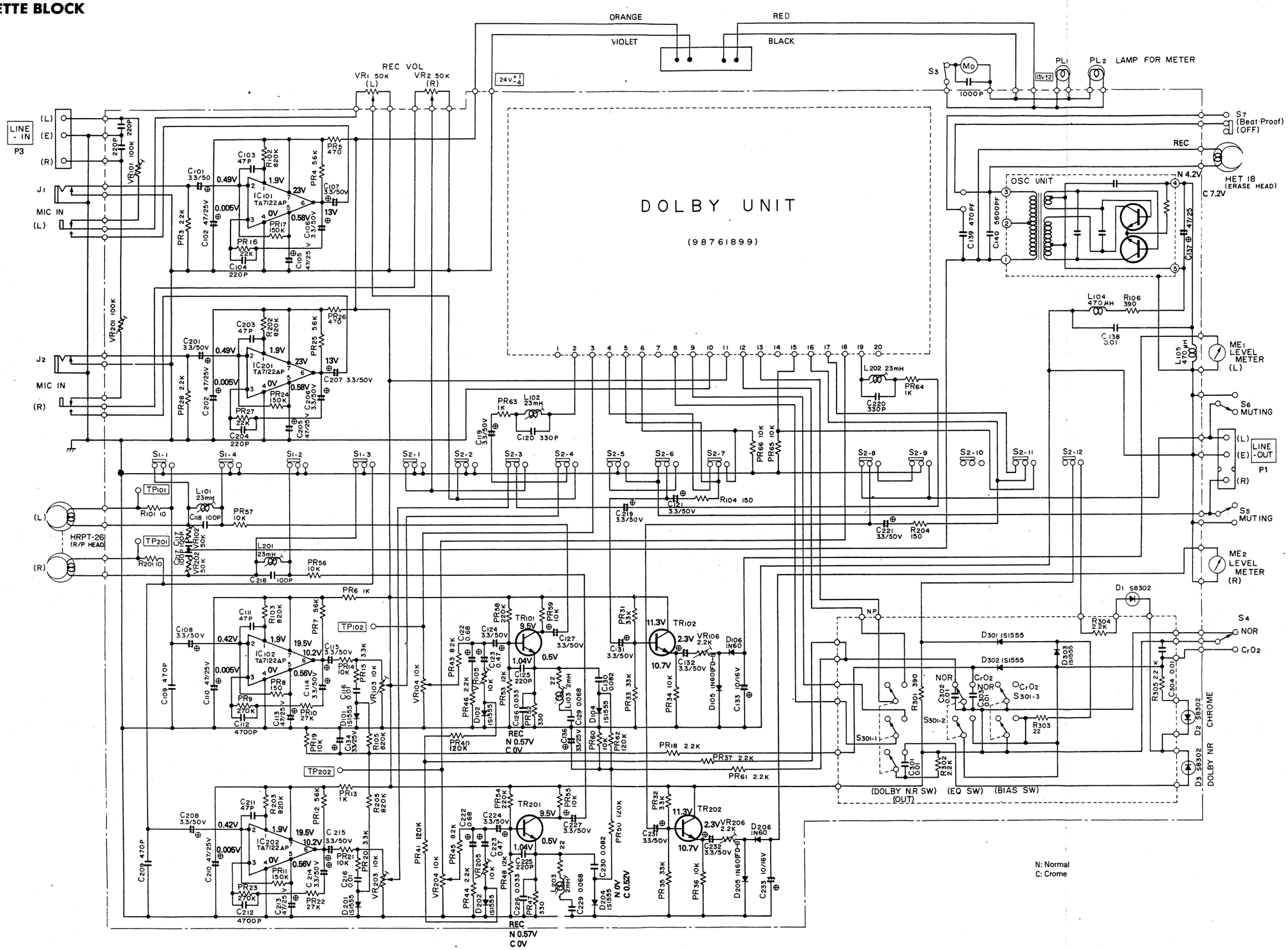
6. SCHEMATIC DIAGRAM

6-1 DOLBY BLOCK

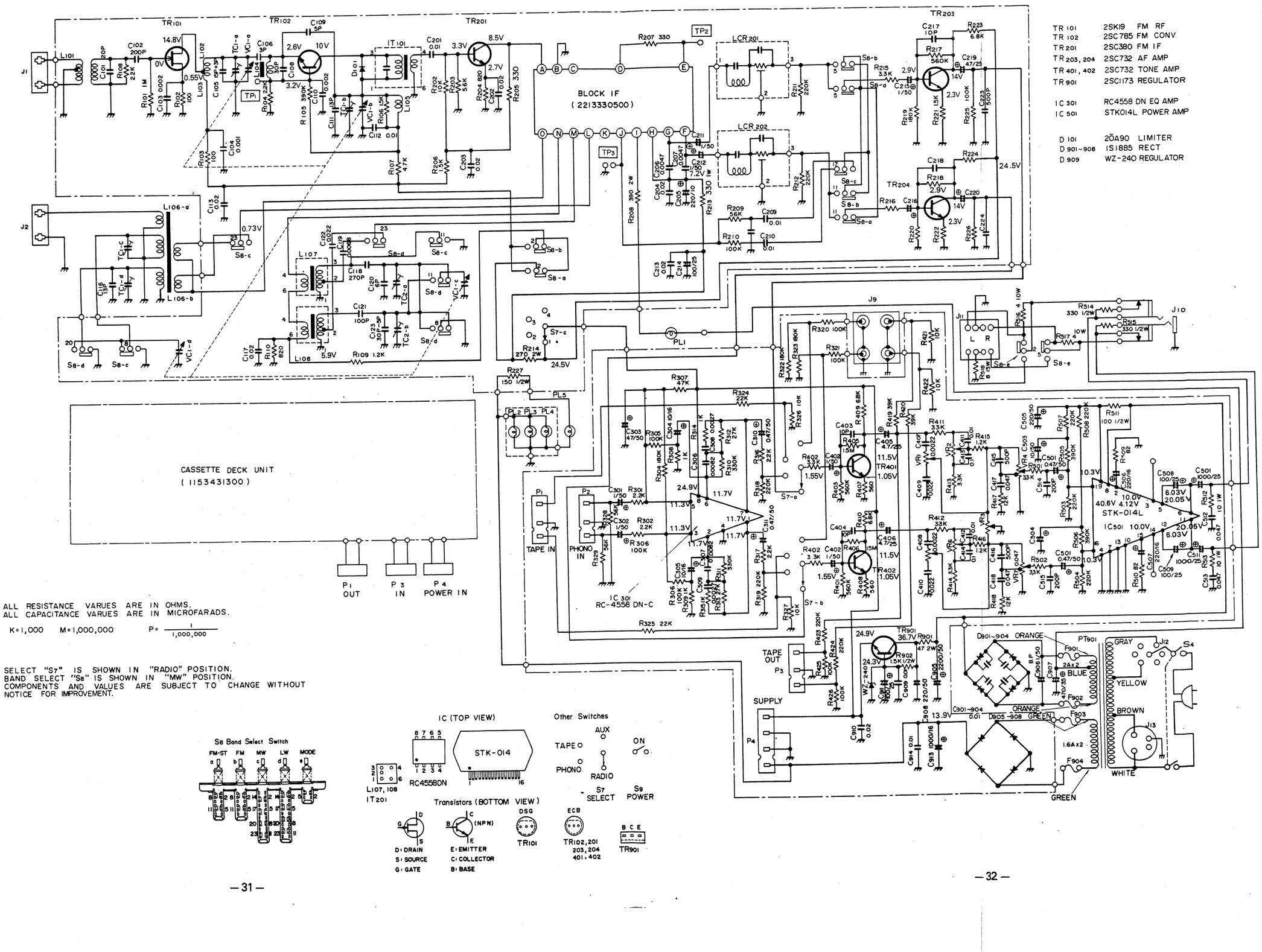
※Never check the voltage on IC pin No.1 and 15.



6-2 CASSETTE BLOCK



6-3 GENERAL



TR 101	2SK19 FM RF
TR 102	2SC785 FM CONV
TR 201	2SC380 FM IF
TR 203, 204	2SC732 AF AMP
TR 401, 402	2SC732 TONE AMP
TR 901	2SC1173 REGULATOR
IC 301	RC4558 DN EQ AMP
IC 501	STK014L POWER AMP
D 101	2OA90 LIMITER
D 901~908	1S1885 RECT
D 909	WZ-240 REGULATOR

NOTE

1) ALL RESISTANCE VARUES ARE IN OHMS.
ALL CAPACITANCE VARUES ARE IN MICROFARADS.

K=1,000 M=1,000,000 P= $\frac{1}{1,000,000}$

2) SELECT "S7" IS SHOWN IN "RADIO" POSITION.
3) BAND SELECT "S8" IS SHOWN IN "MW" POSITION.
4) COMPONENTS AND VALUES ARE SUBJECT TO CHANGE WITHOUT NOTICE FOR IMPROVEMENT.

S8 Band Select Switch

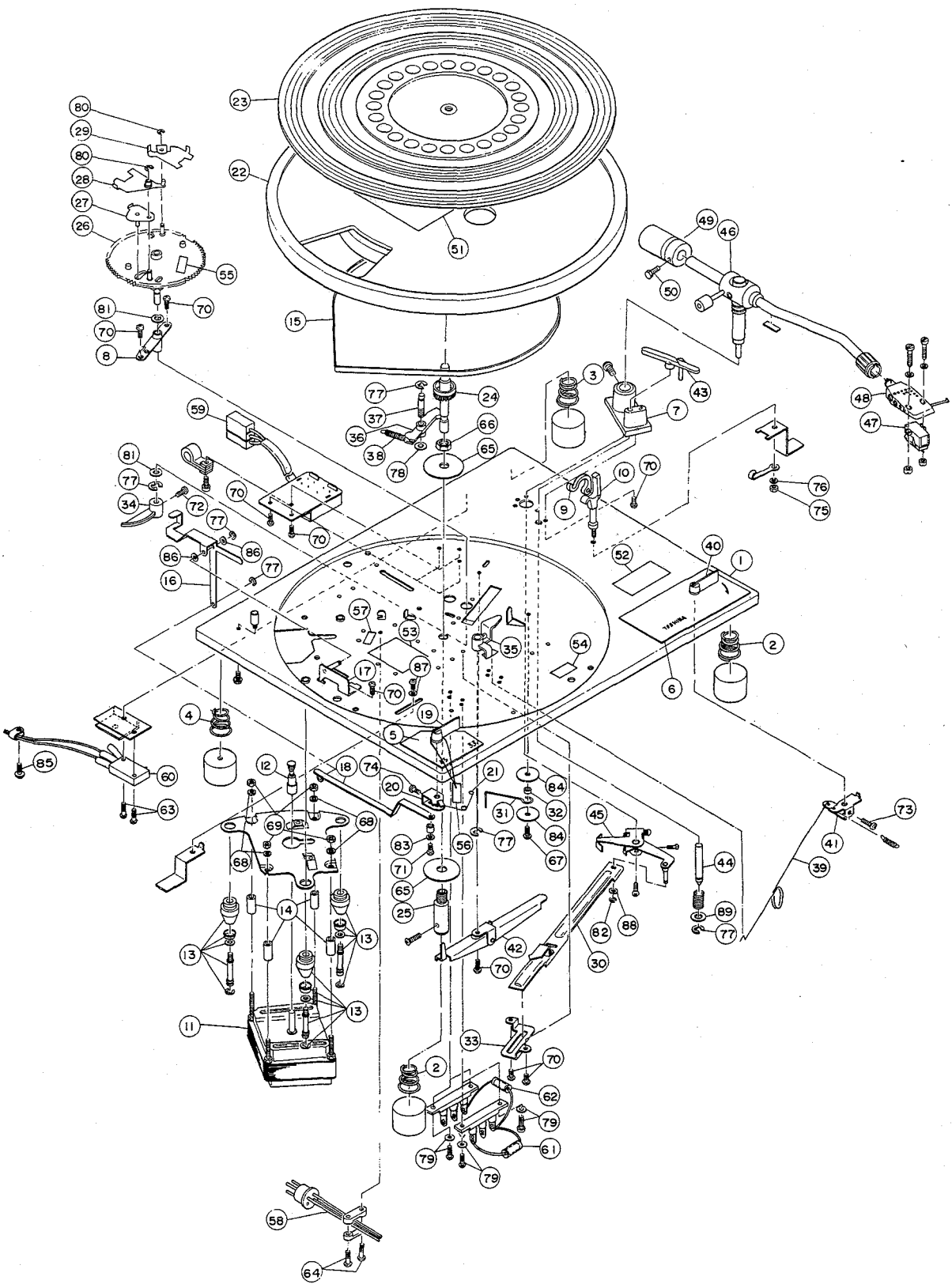
IC (TOP VIEW)

Transistors (BOTTOM VIEW)

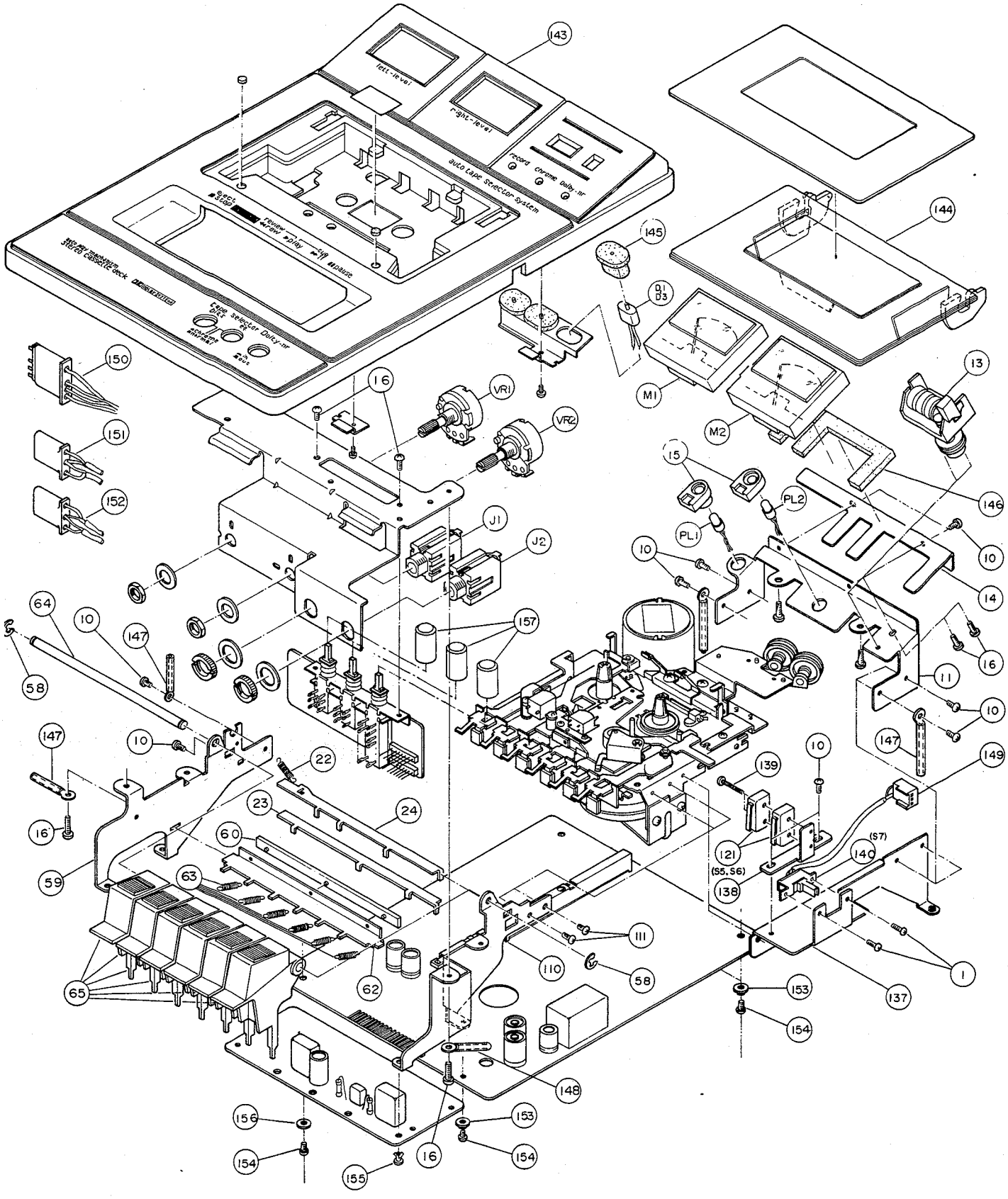
Other Switches

7. EXPLODED VIEW MECHANISM

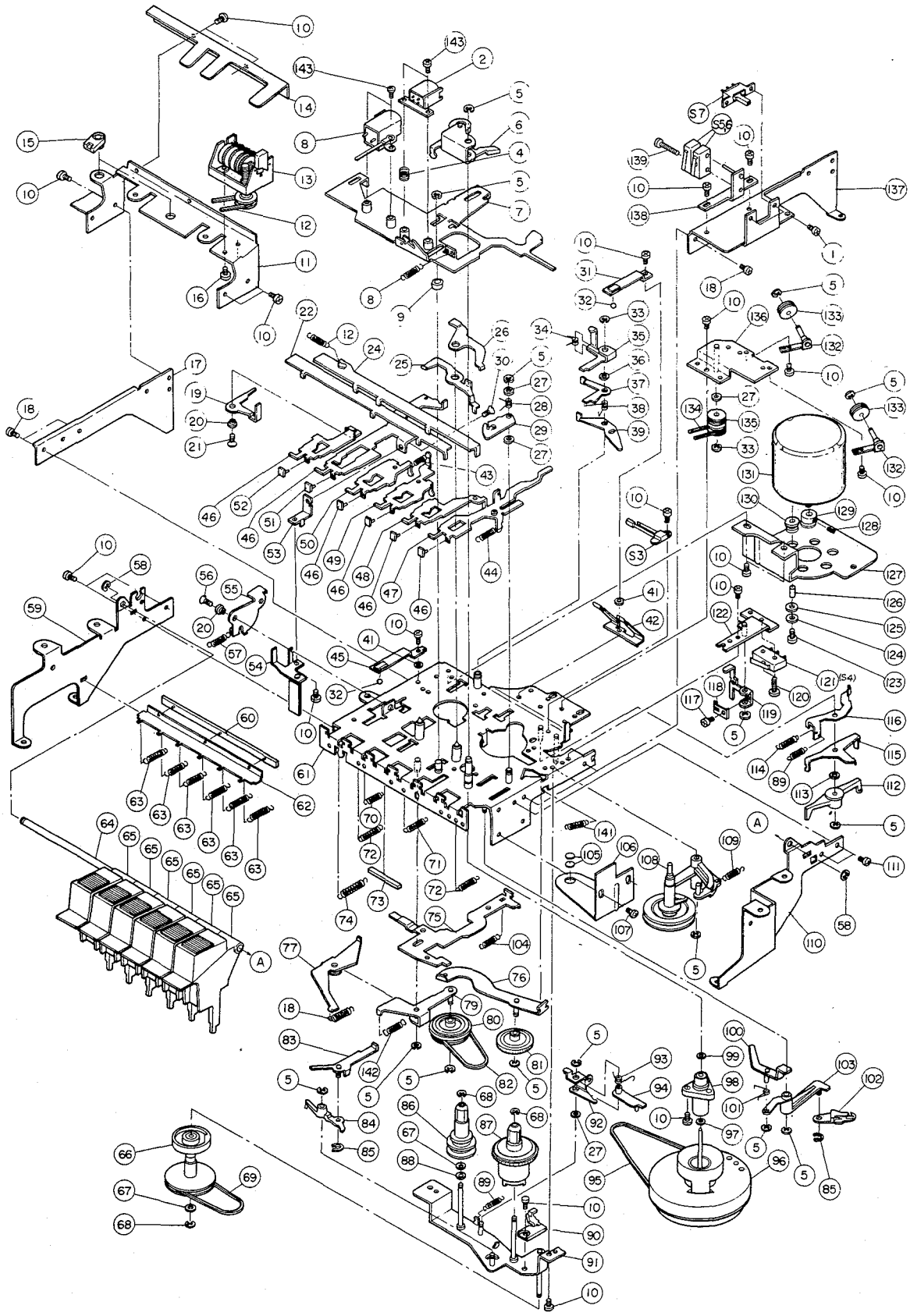
7-1 RECORD PLAYER



7-2 CASSETTE RECORDER



7-3 CASSETTE RECORDER (MECHANISM)



8. EXPLODED VIEW PARTS LIST

8-1 CASSETTE UNIT

Key No.	Part No.	Description
1		Screw (BID) M2×4mm
2	22217245	Recording/Play Back Head
3	22218171	Erase Head
4	25772240	Head Spring
5		Retaining Ring (2φ)
6	25717299	Pinch Roller Assembly
7		Head Chassis Assembly
8	25771704	Pinch Roller Spring
9		Bushing
10		Screw (BID) M2.6×5mm
11		Tape Counter Bracket Assembly
12	25755298	Counter Belt-A
13	25873155	Tape Counter
14		Meter Bracket
15	25858225	Lamp Socket
16		Screw (BID) M3×5mm
17		Guide Plate
18		Screw (BID) M2.6×4mm
19		Selecting Lever
20	25724420	Bushing
21		Screw (FLT) M2.6×6mm
22	25771588	Rock Plate Spring
23		Rock Plate-A
24		Rock Plate-B
25		Review Lever
26		Cue Lever
27	25764400	Washer
28	25773240	Pause Rock Spring
29	25742576	Pause Rock Lever
30		Screw (FLT) M2.6×4mm
31		Head Chassis Spring
32	25757120	Steel Ball
33		Retaining Ring (3φ)
34	25773228	Record Lock Spring
35	25748097	Erase Lock Spring
36	25764027	Washer
37		Recording Stop Lever-B
38	25773206	REC Rock Spring
39		Recording Stop Lever-A
40	22145985	Leaf Switch
41		Washer
42	25774374	Cassette Holder
43	25771708	Head Chassis Spring
44	25771585	Pause Operation Plate Spring
45		Head Chassis Spring
46	25761295	Push Button Cushion
47	25711548	Pause Operation Plate Assembly
48	25741401	FF Operation Plate
49	25741399	Play Operation Plate
50	25741425	Rewind Operation Plate
51	25741400	Recording Operation Plate
52	25741411	Stut Operation Plate
53		Recording Lever-B
54		Recording Lever Assembly
55		Cassette Up Lever
56		Screw (FLT) M2.6×6mm
57	25771661	Cassette Up Spring
58		Retaining Ring (4φ)

Key No.	Part No.	Description
59		Push Button Bracket-L
60	25761311	Stopper Cushion
61		Chassis Assembly
62		Push Button Stopper
63	25771518	Push Button Spring
64		Push Button Shaft
65	25826589	Push Button
	(Addition)	Refer to SERVICE NOTE FILE NO. 134-009 Dated Jan. 1976
66	25713365	Cam Wheel Assembly
	To25713401 (Modification)	Refer to SERVICE NOTE FILE NO. 134-009 Dated Jan. 1976
67	25764196	Washer
	(Deletion)	Refer toSERVICE NOTE FILE NO. 134-009 Dated Jan. 1976
68	25735159	Retaining Ring
69	25755267	Cam Belt
70	25771405	Rewind Operation Plate Spring
71	25771598	Play Operation Spring
72	25771597	FF Operation Spring
73		Cushion
74	25771403	Stop Operation Spring
75		Switch Slider
76		FF Slider Assembly
77		FF Lever
78	25771578	FF Lever Spring
79	25713408	Rewind Lever Assembly
	(Addition)	Refer to SERVICE NOTE FILE NO. 134-009 Dated Jan. 1976
80	25713363	Rewind Pulley Assembly
	To25713394 (Modification)	Refer to SERVICE NOTE FILE NO. 134-009 Dated Jan. 1976
81	25713364	FF Idler Assembly
82	25755171	Rewind Belt
83	25782180	Detect Lever
	(Addition)	Refer to SERVICE NOTE FILE NO.
	To25782182 (Modification)	134-009 Dated Jan. 1976
84	25782126	Push Lever
	(Addition)	Refer to SERVICE NOTE FILE NO.
	To25782183 (Modification)	134-009 Dated Jan. 1976
85	25735197	Washer
86	25712272	Left Reel Stand Assembly
	To25712285 (Modification)	Refer to SERVICE NOTE FILE NO. 134-009 Dated Jan. 1976
87	25712264	Right Reel Stand Assembly
	To25712287 (Modification)	Refer to SERVICE NOTE FILE NO. 134-009 Dated Jan. 1976
88	25764394	Washer
89	25771584	Reel Chassis Spring
90	25781136	Detect Lever Guide
91		Reel Chassis Assembly
92		Inversion Prevention Driving Lever
93	25773212	Spring
94	25782141	Inversion Prevention Lever
95	25755310	Driving Belt
96	25717278	Fly Wheel Assembly
97	25764398	Washer

Part No.	Key No.	Description
	98	Capstan Bearing
	99	Washer
	100	ASO Selecting Lever Assembly
	101	Selecting Spring
	102	ASO Lever
	103	Cancellation Lever
	104	Spring
	105	Fly Wheel Holder Washer
	106	Fly Wheel Holder
	107	Screw (BID) M2.6×6mm
	108	Take Up Pulley Assembly
To25713395 (Modification)		Refer to SERVICE NOTE FILE NO. 134-009 Dated Jan. 1976
	109	Take Up Lever Spring
	110	Push Button Bracket-R
	111	Screw (BID) M2.6×3mm
	112	Bias Lever
	113	Washer
	114	Spring
	115	ASO Stopper Lever
	116	ASO Pause Lever
	117	Screw (BID) M2×3mm
	118	Detect Spring
	119	Detect Lever
(Addition)		Refer to SERVICE NOTE FILE NO. 134-009 Dated Jan. 1976
	120	Screw (BID) M2×10mm
	121	Micro Switch
	122	Micro Switch Bracket Assembly
	123	Screw (BID) M2.6×8mm
	124	Washer (2.6 ϕ)
	125	Washer
	126	Spacer
	127	Motor Bracket
	128	Push Screw M2.6×4mm
	129	Motor Pulley
	130	Cushion
	131	Motor
	132	Pulley Bracket Assembly
	133	Pulley
	134	Counter Belt
	135	Pulley
(Addition)		Refer to SERVICE NOTE FILE NO. 134-009 Dated Jan. 1976
	136	Pulley Assembly
	137	Guide Plate-R
	138	Switch Stalletion Stand Assembly
	139	Screw (BID) M2×16mm
	141	ASO Lever Spring
	142	Rewind Lever Spring
	143	Panel Assembly
	144	Cover Cassette Assembly
	145	Holder Diode
	146	Cushion, Meter
	147	Wire Hold
	148	Wire Hold

Key No.	Part No.	Description
149		Socket Assembly
150		Socket Assembly
151		Socket Assembly
152		Socket Assembly
153		Spacer
154		Screw (BID) M3×8mm
155		Special Rivet
156		Washer (3 ϕ)
157		Push Button
158		Washer
(Addition)		Refer to SERVICE NOTE FILE NO. 134-009 Dated Jan. 1976

8-2 PLAYER UNIT

Key No.	Part No.	Description
1	20713793	Panel
2	20703811	Panel Spring A
3	20703812	Panel Spring B
4	20703813	Panel Spring C
5	20743845	Select Base
6	20743846	Reject Base
7	20735622	Pickup Stand
8	20773767	Gear Bearing
9	20738654	Arm Cramp Assembly
10	20738646	Rest Stand
11	22125434	Motor
12	20716726	Motor Pully (50Hz)
	20716727	Motor Pully (60Hz)
13	20803624	motor Attachment
14	22752823	Spacer
15	20728611	Belt
16	20743692	Belt Guide
17	20751705	Guide Bracket
18	20751706	Control Plate Assembly
19	20741708	Select Knob
20	20753774	Select Lever
21	20707692	Tortion Spring
22	20723653	Turntable
23	20723675	Table Sheet
24	20725662	Table Shaft Assembly
25	20725660	Table Bearing
26	20727626	Main Gear
27	20751704	Auto Trip
28	20751729	Auto Clutch
29	20753782	Hand Clutch
30	20753931	Auto Lever Assembly
31	20753784	Return Rod
32	20773695	Spacer
33	20746754	Ball Holder
34	20757656	Return Cam
35	20751753	Reject Lever Assembly
36	20746737	Gear Stopper
37	20763824	Stopper Shaft
38	20705601	Pull Spring
39	20707691	Reject Pole
40	20871864	Reject Knob Assembly
41	20743724	Reject Plate
42	20751	Seasaw Lever Assembly
	To25751707 (Modification)	Refer to SERVICE NOTE FILE NO. 134-009 Dated Jan. 1976
43	20761601	Lifting Bar
44	20763829	Lifting Shaft
45	20751774	Pickup Plate Assembly
46	20731729	Pickup Arm Assembly
47	22155450	Cartridge
48	20736025	Head Shell
49	20731734	Main Weight
50	22701547	Decrating Nut
51	20953660	Belt Label
52	20956740	Attention Label
53	22956740	Attention Label (Cluch, Rock)
54	20968625	Hz Label
55	20778983	Attention Label (Gear)

Key No.	Part No.	Description
56	20956704	Attention Tag Card
57	20958605	Oil Label
58	22164449	4P Plug Cord
59	22164491	3P Plug Cord
60	22146335	Micro Switch
61	22330114	Metallized Paper Capacitor 0.047MF/250V
62	22563100	Composition Resistor 10 ohm, ½W
63		T.PAN30x18MSZM2
64		T.PAN30x15MSZM2
65	20791937	WAS91x340x8MS
66	20796631	SPECIAL—NUT
67		T.PAN26x10MSZM2
68		S.WAS40SPMC
69		NUT-40BSN1
70		T.PAN30x8MSZM2
71		T.PAN26x6MSZM2
72		PAN26x8MSZM2
73		PAN30x8MSZM2
74		PAN30x15MSZM2
75		NUT-30BSN1
76		S.WAS30SPMC
77		E-Ring 31
78	20791657	WAS44x100x5TF
79	20794779	SPECIAL SCREW-W
80		E-Ring 16
81	20791667	WAS51x100x3N
82		E-Ring 20
83		WAS30BSN 1-H
84	20791967	WAS28x200x10MS
85	20794779	SPECIAL SCREW-W
86	20791657	WAS44x100x5TF
87	20795914	SPECIAL SCREW-W
88	20791786	WAS31x60x2V
89	20791869	WAS52x120x3F

9. PARTS LIST

RESISTORS····· *All fixed resistor are ¼W, ±10%, Solid resistor unless otherwise noted. (RF CIRCUIT)
*All fixed resistor are ¼W, ±5%, carbon resistor unless otherwise noted.

CAPACITORS····· *D: ±0.5PF, J: ±5%, K: ±10%, M: ±20%, P: +100, −0%, Z: +80, −20%

Key No.	Part No.	Description
	RF BLOCK	
TR101		Transistor, 2SK19-GR
TR102		Transistor, 2SC785-R
D101	22115201	Diode, 20A90
L101	22292053	Antenna Coil, FM
L102	22294096	RF Coil, FM
L103	22294211	RF Coil, FM
L104	22291009	Choke Coil, FM
L105	22294164	RF Coil, FM
IFT101	22265554	IF Transformer, FM
VC	22308253	Variable Capacitor
Capacitors		
C101	22361200	Ceramic 20PF, J
C102	22362201	Ceramic 200PF, K
C103	22343202	Ceramic 0.002mfd, M
C104	22343102	Ceramic 0.001mfd, M
C105	22361150	Ceramic 15PF, J
C106	22361309	Ceramic 3PF, D
C107	22361509	Ceramic 5PF, D
C108	22361300	Ceramic 30PF, J
C109	22362201	Ceramic 200PF, K
C110	22343202	Ceramic 0.002mfd, M
C111	22361130	Ceramic 13PF, J
C112	22343102	Ceramic 0.001mfd, M
C113	22341203	Ceramic 0.02mfd, P
Resistors		
R101	22561105	1 M ohm, K ¼W, Solid
R102	22561101	100 ohm, k ¼W, Solid
R103	22561101	100 ohm, K ¼W, Solid
R104	22561222	2.2 k ohm, K ¼W, Solid
R105	22561394	390 k ohm, K ¼W, Solid
R106	22561152	1.5 k ohm, K ¼W, Solid
R107	22561472	4.7 k ohm, K ¼W, Solid
R108	22561222	2.2 k ohm, K ¼W, Solid
	IF BLOCK	
TR201		Transistor, 2SC380-O
TR203		Transistor, 2SC732-GR
TR204		Transistor, 2SC732-GR
L106	22242574	Antenna Coil Assembly
L107	22245253	OSC Coil, MW
L108	22205036	OSC Coil, LW
TC2	22309036	Trimmer Capacitor

Key No.	Part No.	Description
Capacitors		
C116	22361150	Ceramic 15PF, J
C117	22341203	Ceramic 0.02mfd, P
C118	22391271	Polyplopylene 270PF, J
C119	22372682	Mylar 0.0068mfd, K
C120	22361609	Ceramic 6PF, D
C121	22381101	Polystyrene 100PF, J
C122	22372223	Mylar 0.022mfd, K
C123	22361300	Ceramic 30PF, J
C201	22341103	Ceramic 0.01mfd, P
C202	22341203	Ceramic 0.02mfd, P
C203	22341203	Ceramic 0.02mfd, P
C204	22341203	Ceramic 0.02mfd, P
C205	22443221	Electrolytic 220mfd/10WV
C206	22372472	Mylar 0.0047mfd, K
C207	22372472	Mylar 0.0047mfd, K
C208	22372682	Mylar 0.0068mfd, K
C209	22372103	Mylar 0.01mfd, K
C210	22372103	Mylar 0.01mfd, K
C211	22448109	Electrolytic 1mfd/50WV
C212	22448109	Electrolytic 1mfd/50WV
C213	22341203	Ceramic 0.02mfd, P
C214	22446101	Electrolytic 100mfd/25WV
C215	22448109	Electrolytic 1mfd/50WV
C216	22448109	Electrolytic 1mfd/50WV
C217	22361100	Ceramic 10PF, D
C218	22361100	Ceramic 10PF, D
C219	22446479	Electrolytic 4.7mfd/25WV
C220	22446479	Electrolytic 4.7mfd/25WV
C223	22362501	Ceramic 500PF, K
C224	22362501	Ceramic 500PF, K
Resistors		
R109	22545122	1.2 k ohm
R110	22545821	820 ohm
R201	22545681	680 ohm
R202	22545103	10 k ohm
R203	22545562	5.6 k ohm
R204	22545821	820 ohm
R205	22545331	330 ohm
R206	22545152	1.5 k ohm
R207	22545331	330 ohm
R208	22573391	390 ohm J 2W, Metal Oxide
R209	22545563	56 k ohm
R210	22545104	100 k ohm
R211	22545224	220 k ohm
R212	22545224	220 k ohm
R213	22571331	330 ohm J 1W, Metal Oxide
R214	22573271	270 ohm J 2W, Metal Oxide
R215	22545332	3.3 k ohm
R216	22545332	3.3 k ohm
R217	22545564	560 k ohm
R219	22545184	180 k ohm

Key No.	Part No.	Description
R220	22545184	180 k ohm
R221	22545152	1.5 k ohm
R222	22545152	1.5 k ohm
R223	22545682	6.8 k ohm
R224	22545682	6.8 k ohm
R225	22545104	100 k ohm
R226	22545104	100 k ohm
R227	22571101	100 ohm J 1W, Metal Oxide
LCR201	22134087	LCR Combination
LCR202	22134087	LCR Combination
	22133305	IF Block
AF BLOCK		
IC301	22114399	IC-RC4558DN-C
Capacitors		
C301	22440085	Electrolytic 1mfd/50WV
C302	22440085	Electrolytic 1mfd/50WV
C303	22448470	Electrolytic 47mfd/50WV
C304	22445100	Electrolytic 10mfd/16WV
C305	22445100	Electrolytic 10mfd/16WV
C306	22371822	Mylar 0.0082mfd, J
C307	22371822	Mylar 0.0082mfd, J
C308	22371272	Mylar 0.0027mfd, J
C309	22371272	Mylar 0.0027mfd, J
C310	22440116	Electrolytic 0.47mfd/50WV
C311	22440116	Electrolytic 0.47mfd/50WV
Resistors		
R301	22545222	2.2 k ohm
R302	22545222	2.2 k ohm
R303	22545104	100 k ohm
R304	22545104	100 k ohm
R305	22545184	180 k ohm
R306	22545184	180 k ohm
R307	22545473	47 k ohm
R308	22545102	1 k ohm
R309	22545102	1 k ohm
R310	22545334	330 k ohm
R311	22545334	330 k ohm
R312	22545273	27 k ohm
R313	22545273	27 k ohm
R314	22545102	1 k ohm
R315	22545102	1 k ohm
R318	22545224	220 k ohm
R319	22545224	220 k ohm
(TONE BLOCK)		
TR401		Transistor, 2SC732-BL
T402		Transistor, 2SC732-BL

Key No.	Part No.	Description
Capacitors		
C401	22448109	Electrolytic 1mfd/50WV
C402	22448109	Electrolytic 1mfd/50WV
C403	22361100	Ceramic 10PF, D
C404	22361100	Ceramic 10PF, D
C405	22448479	Electrolytic 4.7mfd/25WV
C406	22448479	Electrolytic 4.7mfd/25WV
C407	22372222	Mylar 0.0022mfd, K
C408	22372222	Mylar 0.0022mfd, K
C409	22372223	Mylar 0.022mfd, K
C410	22372223	Mylar 0.022mfd, K
C411	22372103	Mylar 0.01mfd, K
C412	22372103	Mylar 0.01mfd, K
C413	22372104	Mylar 0.1mfd, K
C414	22372104	Mylar 0.1mfd, K
C415	22362501	Ceramic 500PF, K
C416	22362501	Ceramic 500PF, K
C417	22372473	Mylar 0.047mfd, K
C418	22372473	Mylar 0.047mfd, K
Resistors		
R320	22545104	100 k ohm
R321	22545104	100 k ohm
R322	22545184	180 k ohm
R323	22545184	180 k ohm
R324	22545223	22 k ohm
R325	22545223	22 k ohm
R326	22545103	10 k ohm
R327	22545103	10 k ohm
R328	22545563	56 k ohm
R329	22545563	56 k ohm
R401	22545332	3.3 k ohm
R402	22545332	3.3 k ohm
R403	22545564	560 k ohm
R404	22545564	560 k ohm
R405	22545155	1.5 M ohm
R406	22545155	1.5 M ohm
R407	22545561	560 ohm
R408	22545561	560 ohm
R409	22545682	6.8 k ohm
R410	22545682	6.8 k ohm
R411	22545333	33 k ohm
R412	22545333	33 k ohm
R413	22545332	3.3 k ohm
R414	22545332	3.3 k ohm
R415	22545122	1.2 k ohm
R416	22545122	1.2 k ohm
R417	22545123	12 k ohm
R418	22545123	12 k ohm
R419	22545393	39 k ohm
R420	22545393	39 k ohm
R421	22545103	10 k ohm
R422	22545103	10 k ohm
R423	22545224	220 k ohm
R424	22545224	220 k ohm
R425	22545104	100 k ohm
R426	22545104	100 k ohm

Key No.	Part No.	Description
AF BLOCK (MAIN)		
IC501	22114423	IC-STK-014L
Capacitor		
C501	22440116	Electrolytic 0.47mfd/50WV
C502	22440116	Electrolytic 0.47mfd/50WV
C503	22448100	Electrolytic 10mfd/50WV
C504	22448100	Electrolytic 10mfd/50WV
C505	22448221	Electrolytic 220mfd/50WV
C506	22445221	Electrolytic 220mfd/16WV
C507	22445221	Electrolytic 220mfd/16WV
C508	22446101	Electrolytic 100mfd/25WV
C509	22446101	Electrolytic 100mfd/25WV
C510	22446102	Electrolytic 100mfd/25WV
C511	22446102	Electrolytic 1000mfd/25WV
C512	22372473	Mylar 0.047mfd, K
C513	22372473	Mylar 0.047mfd, K
C514	22362501	Ceramic 500PF, K
C515	22362501	Ceramic 500PF, K
Resistors		
R501	22545332	3.3 k ohm
R502	22545332	3.3 k ohm
R503	22545224	220 k ohm
R504	22545224	220 k ohm
R505	22545394	390 k ohm
R506	22545394	390 k ohm
R507	22545224	220 k ohm
R508	22545224	220 k ohm
R509	22545820	82 ohm
R510	22545820	82 ohm
R511	22563101	100 ohm, K, ½W, Solid
R512	22571100	10 ohm J 1W, Metal Oxide
R513	22571100	10 ohm J 1W, Metal Oxide
R514	22563331	330 ohm, K, ½W, Solid
R515	22563331	330 ohm, K, ½W, Solid
SUPPLY BLOCK		
TR901		Transistor, 2SC1173-Y
D901		Diode, 1S1885
D902		Diode, 1S1885
D903		Diode, 1S1885
D904		Diode, 1S1885
D905		Diode, 1S1885
D906		Diode, 1S1885
D907		Diode, 1S1885
D908		Diode, 1S1885
	22115302	Diode, WZ-240

Key No.	Part No.	Description
Capacitors		
C901	22344103	Ceramic 0.01mfd, P
C902	22344103	Ceramic 0.01mfd, P
C903	22344103	Ceramic 0.01mfd, P
C904	22344103	Ceramic 0.01mfd, P
C905	22440106	Electrolytic 2200mfd/50WV
C906	22440133	Electrolytic 1mfd/50WV
C907	22447471	Electrolytic 470mfd/35WV
C908	22448221	Electrolytic 220mfd/50WV
C909	22341103	Ceramic 0.01mfd, P
C910	22341203	Ceramic 0.02mfd, P
C911	22446101	Electrolytic 100mfd/25WV
C913	22440134	Electrolytic 2200mfd/16WV
C914	22344103	Ceramic 0.01mfd, P
VR1	22648201	Variable Resistor 100 k ohm (Treble)
VR2	22648201	Variable Resistor 100 k ohm (Bass)
VR3	22640201	Variable Resistor 100 k ohm (Balance)
VR4	22650203	Variable Resistor 100 k ohm (Volume)
Resistors		
R516	22500106	4 ohm,K ,10W,Cemented
R517	22500106	4 ohm,K ,10W,Cemented
R518	22500086	8 ohm,K ,15W,Cemented
R901	22573470	47 ohm 2W, Metal Oxide
R902	22563152	1.5 k ohm, K, ½W, Solid
F901	22144191	Fuse, 2A
F902	22144191	Fuse, 2A
F903	22144197	Fuse, 1.6A
F904	22144197	Fuse, 1.6A
PL1	22113258	Pilot Lamp (Stereo Indicator)
PL2	22113339	Pilot Lamp (Dial Lighting)
PL3	22113339	Pilot Lamp (Dial Lighting)
PL4	22113339	Pilot Lamp (Dial Lighting)
	20881718	Mica Insulator
PT901	22223317	Power Transformer
	22176286	Power Cord
	22167276	4P Socket
	22164257	Voltage Plug
	22167260	Voltage Socket
	22167244	DIN2P Socket (FM Antenna)
	22167245	DIN2P Socket (AM Antenna)
	22163299	US4P Jack
	22162059	4P Terminal
	22146412	Push Switch (Power)
	22163276	Jack (Head Phone)

Key No.	Part No.	Description
	22146354	Push Switch (Band Select)
	22130273	Switch P.C. Board Assembly
	22130274	Pilot Lamp P.C. Board Assembly
	22124968	FM Antenna

CASSETTE PARTS

		Main P.C. Board
IC101		IC, TA7122AP-BC
IC102		IC, TA7122AP-BC
IC201		IC, TA7122AP-BC
IC202		IC, TA7122AP-BC
TR101		Transistor, 2SC735-GR
TR102		Transistor, 2SC373
TR201		Transistor, 2SC735-GR
TR202		Transistor, 2SC373
D101		Diode, 1S1555
D102		Diode, 1S1555
D103		Diode, 1S1555
D104		Diode, 1S1555
D105		Diode, 1N60-FD1
D106		Diode, 1N60
D201		Diode, 1S1555
D202		Diode, 1S1555
D203		Diode, 1S1555
D204		Diode, 1S1555
D205		Diode, 1N60-FD1
D206		Diode, 1N60

Capacitors

C101	22448339	Electrolytic 3.3mfd/50WV
C102	22446470	Electrolytic 47mfd/25WV
C103	22362470	Ceramic 47PF, K
C104	22362221	Ceramic 220PF, K
C105	22446470	Electrolytic 47mfd/25WV
C106	22448339	Electrolytic 3.3mfd/50WV
C107	22448339	Electrolytic 3.3mfd/50WV
C108	22448339	Electrolytic 3.3mfd/50WV
C109	22382471	Polystyrene 470PF, K
C110	22446470	Electrolytic 47mfd/25WV
C111	22362470	Ceramic 47PF, K
C112	22372472	Mylar 4700PF, K
C113	22446470	Electrolytic 47mfd/25WV
C114	22448339	Electrolytic 3.3mfd/50WV
C115	22448339	Electrolytic 3.3mfd/50WV
C116	22372103	Mylar 0.01mfd, K
C117	22382101	Polystyrene 100PF, K
C118	22382101	Polystyrene 100PF, K
C119	22448339	Electrolytic 3.3mfd/50WV
C120	22382331	Polystyrene 330PF, K
C121	22448339	Electrolytic 3.3mfd/50WV
C122	22440024	Electrolytic .0.68mfd/25WV
C123	22448478	Electrolytic 0.47mfd/50WV
C124	22448339	Electrolytic 3.3mfd/50WV
C125	22362221	Ceramic 220PF, K
C126	22372333	Mylar 0.033mfd, K
C127	22448339	Electrolytic 3.3mfd/50WV
C128	22372273	Mylar 0.027mfd, K
C129	22372683	Mylar 0.068mfd, K
C130	22372823	Mylar 0.082mfd, K
C131	22446339	Electrolytic 3.3mfd/50WV
C132	22446339	Electrolytic 3.3mfd/50WV
C133	22445100	Electrolytic 10mfd/16WV
C134	22446330	Electrolytic 33mfd/25WV
C135	22446330	Electrolytic 33mfd/25WV
C136	22446330	Electrolytic 33mfd/25WV
C137	22446470	Electrolytic 47mfd/25WV
C138	22372103	Mylar 0.01mfd, K
C139	22382471	Polystyrene 470PF, K
C140	22385562	Polystyrene 5600PF, K
C201	22448339	Electrolytic 3.3mfd/50WV
C202	22446470	Electrolytic 47mfd/25WV
C203	22362470	Ceramic 47PF, K
C204	22362221	Ceramic 220PF, K
C205	22446470	Electrolytic 47mfd/25WV
C206	22448339	Electrolytic 3.3mfd/50WV
C207	22448339	Electrolytic 3.3mfd/50WV
C208	22448339	Electrolytic 3.3mfd/50WV
C209	22382471	Polystyrene 470PF, K
C210	22446470	Electrolytic 47mfd/25WV
C211	22362470	Ceramic 47PF, K
C212	22372472	Mylar 4700PF, K
C213	22446470	Electrolytic 47mfd/25WV
C214	22448339	Electrolytic 3.3mfd/50WV
C215	22448339	Electrolytic 3.3mfd/50WV
C216	22372103	Mylar 0.01mfd/50WV
C217	22382101	Polystyrene 100PF, K
C218	22382101	Polystyrene 100PF, K
C219	22448339	Electrolytic 3.3mfd/50WV
C220	22382331	Polystyrene 330PF, K
C221	22448339	Electrolytic 3.3mfd/50WV
C222	22440024	Electrolytic 0.68mfd/25WV
C223	22448478	Electrolytic 0.47mfd/50WV
C224	22448339	Electrolytic 3.3mfd/50WV
C225	22362221	Ceramic 220PF, K
C226	22372333	Mylar 0.033mfd, K
C227	22448339	Electrolytic 3.3mfd/50WV
C228	22372273	Mylar 0.027mfd, K
C229	22372683	Mylar 0.068mfd, K
C230	22372823	Mylar 0.082mfd, K
C231	22446339	Electrolytic 3.3mfd/50WV
C232	22446339	Electrolytic 3.3mfd/50WV
C233	22445100	Electrolytic 10mfd/16WV

Resistors

R101	22554100	10 ohm,K,1/8W,Carbon
R102	22544824	820 kohm,K,1/8W,Carbon
R103	22544824	820 kohm,K,1/8W,Carbon
R104	22554151	150 ohm,K,1/8W,Carbon
R105	22554824	820 kohm,K,1/8W,Carbon

Key No.	Part No.	Description
R106	22563391	390 ohm,K,1/2W, Solid
R201	22554100	10 ohm,K,1/8W,Carbon
R202	22544824	820 k ohm,K 1/8W Carbon
R203	22544824	820 k ohm,K,1/8W,Carbon
R204	22554151	150 ohm,K,1/8W,Carbon
R205	22554824	820 k ohm,K 1/8W,Carbon
PR3		2.2 k ohm
PR4		5.6 k ohm
PR5		470 ohm
PR6		1 k ohm
PR7		5.6 k ohm
PR8		150 k ohm
PR9		270 k ohm
PR10		27 k ohm
PR11		150 k ohm
PR12		5.6 k ohm
PR13		1 k ohm
PR14		10 k ohm
PR15		3.3 k ohm
PR16		22 k ohm
PR17		150 k ohm
PR18		2.2 k ohm
PR19		10 k ohm
PR20		3.3 k ohm
PR21		10 k ohm
PR22		27 k ohm
PR23		270 k ohm
PR24		150 k ohm
PR25		5.6 k ohm
PR26		470 ohm
PR27		22 k ohm
PR28		2.2 k ohm
PR31		33 k ohm
PR32		33 k ohm
PR33		33 k ohm
PR34		10 k ohm
PR35		33 k ohm
PR36		10 k ohm
PR37		2.2 k ohm
PR38		10 k ohm
PR39		10 k ohm
PR40		10 k ohm
PR41		10 k ohm
PR42		10 k ohm
PR43		8.2 k ohm
PR44		2.2 k ohm
PR45		8.2 k ohm
PR46		2.2 k ohm
PR47		330 ohm
PR48		12 k ohm
PR50		120 k ohm
PR52		330 ohm
PR53		12 k ohm
PR54		220 k ohm
PR55		10 k ohm
PR56		10 k ohm
PR57		10 k ohm

Key No.	Part No.	Description
PR58		220 k ohm
PR59		10 k ohm
PR60		10 k ohm
PR61		2.2 k ohm
PR62		120 k ohm
PR63		1 k ohm
PR64		1 k ohm
PR65		10 k ohm
PR66		10 k ohm
VR101	22658380	Semi-Fixed Resistor 100 k ohm
VR102	22658130	Semi-Fixed Resistor 50 k ohm
VR103	22658184	Semi-Fixed Resistor 10 k ohm
VR104	22658129	Semi-Fixed Resistor 10 k ohm
VR105	22658129	Semi-Fixed Resistor 10 k ohm
VR106	22658379	Semi-Fixed Resistor 2 k ohm
VR201	22658380	Semi-Fixed Resistor 100 k ohm
VR202	22658130	Semi-Fixed Resistor 50 k ohm
VR203	22658184	Semi-Fixed Resistor 10 k ohm
VR204	22658129	Semi-Fixed Resistor 10 k ohm
VR205	22658129	Semi-Fixed Resistor 10 k ohm
VR206	22658379	Semi-Fixed Resistor 2 k ohm

SWITCH P.C. BOARD

D301		Diode, 1S1555
D302		Diode, 1S1555
D303		Diode, 1S1555
Capacitors		
C301	22342103	Ceramic 0.01mfd, Z
C302	22342103	Ceramic 0.01mfd, Z
C303	22342103	Ceramic 0.01mfd, Z
C304	22342103	Ceramic 0.01mfd, Z
Resistors		
R301	22563391	390 ohm, K, ½W, Solid
R302	22563222	2.2 k ohm, K, ½W, Solid
R303	22563220	22 ohm, K, ½W, Solid
R304	22563222	2.2 k ohm, K, ½W, Solid
R305	22563222	2.2 k ohm, K, ½W, Solid

Key No.	Part No.	Description
DOLBY P.C. BOARD		
IC301	22114299	IC, NE545B
IC401	22114299	IC, NE545B
D301		Diode, 1N60
D351		Diode, 02Z6.8A
D401		Diode, 1N60
Capacitors		
C301	22372104	Mylar 0.1mfd, K
C302	22448339	Electrolytic 3.3mfd/50WV
C303	22370149	Mylar 0.0056mfd, G
C304	22370148	Mylar 0.027mfd, G
C305	22370150	Mylar 0.047mfd, G
C306	22445100	Electrolytic 10mfd/16WV
C307	22445100	Electrolytic 10mfd/16WV
C308	22371473	Electrolytic 0.047mfd/50WV
C309	22448109	Electrolytic 1mfd/50WV
C310	22372104	Mylar 0.1mfd, K
C311	22372334	Mylar 0.33mfd, K
C313	22446470	Electrolytic 47mfd/25WV
C314	22382221	Polystyrene 220PF, K
C315	22448339	Electrolytic 3.3mfd/50WV
C351	22445101	Electrolytic 100mfd/16WV
C401	22372104	Mylar 0.1mfd, K
C402	22448339	Electrolytic 3.3mfd/50WV
C403	22370149	Mylar 0.0056mfd, G
C404	22370148	Mylar 0.027mfd, G
C405	22370150	Mylar 0.047mfd, G
C406	22445100	Electrolytic 10mfd/16WV
C407	22445100	Electrolytic 10mfd/16WV
C408	22371473	Electrolytic 0.047mfd/50WV
C409	22448109	Electrolytic 1mfd/50WV
C410	22372104	Mylar 0.1mfd, K
C411	22372334	Mylar 0.33mfd, K
C413	22446470	Electrolytic 47mfd/25WV
C414	22382221	Polystyrene 220PF, K
C415	22448339	Electrolytic 3.3mfd/50WV
Resistors		
R301	22554223	22 k ohm,K,1/8W,Carbon
R302	22540011	3.3 k ohm,G,1/8W,Carbon
R303	22554181	180 ohm,K,1/8W,Carbon
R304	22553473	47 k ohm,J,1/8W,Carbon
R305	22554104	100 k ohm,K,1/8W,Carbon
R306	22554121	120 ohm,K,1/8W,Carbon
R307	22553684	680 k ohm,J,1/8W,Carbon
R308	22553154	150 k ohm,J,1/8W,Carbon
R309	22554274	270 k ohm,K,1/8W,Carbon
R310	22554391	390 ohm,K,1/8W,Carbon
R311	22554105	1M ohm,K,1/8W,Carbon
R351	22554392	3.9 k ohm,K,1/8W,Carbon
R401	22554223	22 k ohm,K,1/8W,Carbon
R402	22540011	3.3 k ohm,G,1/8W,Carbon
R403	22554181	180 ohm,K,1/8W,Carbon
R404	22553473	47 k ohm,J,1/8W,Carbon
R405	22554104	100 k ohm,K,1/8W,Carbon
R406	22554121	120 ohm,K,1/8W,Carbon
R407	22553684	680 k ohm,J,1/8W,Carbon
R408	22553154	150 k ohm,J,1/8W,Carbon
R409	22554274	270 k ohm,K,1/8W,Carbon
R410	22554391	390 ohm,K,1/8W,Carbon
R411	22554105	1M ohm,K,1/8W,Carbon
MISCELLANEOUS		
D1		Diode, S8302
D2		Diode, S8302
D3		Diode, S8302
VR1	22644200	Variable Resistor 50 k ohm
VR2	22644200	Variable Resistor 50 k ohm
ELECTRICAL PARTS		
S1	22146748	Slide Switch (REC-P/B)
S2	22146747	Slide Switch (REC-P/B)
S3	22145985	Leaf Switch (For Motor)
S4	22146731	Micro Switch (Auto Tape Selector)
S5	22146731	Micro Switch (Muting)
S6	22146731	Micro Switch (Muting)
S7	22146262	Slide Switch (Beet Proof)
S301	22146745	Push Switch (Tape Selector Dolby ON-OFF)
L101	22232143	Trap Coil (23mH)
L102	22232143	Trap Coil (23mH)
L103	22232107	Trap Coil (2 mH)
L104	22230106	Coil (470μH)
L105	22230106	Coil (470μH)
L201	22232143	Trap Coil (23mH)
L202	22232143	Trap Coil (23mH)
L203	22232107	Trap Coil (2mH)
FIL301	22137752	Filter Block
FIL401	22137752	Filter Block
ME1	22104289	Lever Meter
ME2	22104289	Lever Meter
PL1	22113322	Lamp
PL2	22113322	Lamp
J1	22163464	Mic Jack
J2	22163464	Mic Jack
	22132521	Oscillator Unit

Key No.	Part No.	Description
		CABINET PARTS
	22821884	Cabinet Assembly
	22821888	Cabinet Assembly
	22872512	Hinge
	20795940	Special Screw
	22833701	Mesh Plate
	22874509	Foot
	22823544	Front Panel Assembly
	20847715	Dust Cover Assembly
	22754802	Hinge Holder
	22835498	Tuning Knob
	22754803	Cover Holder
	22835497	Volume Knob
	22835496	Push Button
	22835500	Push Button (Power)
	22754799	Jack Bracket
	22705506	Special Rivet
	22837743	Dial Cover
	22847793	Dial Plate
	22741594	Pointer Assembly
	22742550	Drum
	22771660	Pull Spring
	22749567	Tuning Shaft
	20749672	Selecting Cover
	20881680	Bushing (Power Cord)
	22756639	Bushing (Bar Antenna)
	22756730	Cushion (Lead Lamp)
		ACCESSORIES
	20971652	45rpm Adaptor
	22952954	Owner's Manual
	22154157	Dynamic Microphone

Key No.	Part No.	Description